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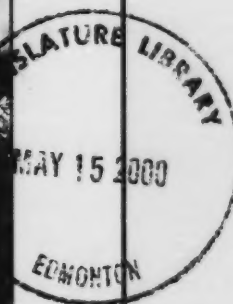
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AGRICULTURE STATISTICS *yearbook*



Alberta

AGRICULTURE, FOOD AND
RURAL DEVELOPMENT
Statistics and Data
Development

*A*GRICULTURE

STATISTICS YEARBOOK

26th Edition



Statistics and Data Development Unit
Economics and Competitiveness Division
Alberta Agriculture, Food and Rural Development

February, 2000

<http://www.agric.gov.ab.ca>

Symbols

p	preliminary
r	revised
x	confidential
-	not available
...	figure not appropriate or applicable
'000	thousands
\$'000	thousands of dollars
bu	bushel
cwt	100 pounds
head	number of head
hl	hectolitre
kg	kilogram
lbs	pounds
n.e.c.	not elsewhere classified
no.	number

Metric Conversion Factors

Imperial To Metric

1 acre	= 0.404687 hectares = 43,560 square feet
1 square mile	= 640 acres = 259 hectares (640 acres = 1 section)
1 mile	= 1,760 yards = 1.6093 kilometres
1 bushel	= 8 gallons = 0.035239 cubic metres
1 pound	= 0.453592 kilograms
1 short ton	= 2,000 pounds = 907.184872 kilograms
1 long ton	= 2,240 pounds = 1,016.047057 kilograms

Metric To Imperial

1 hectare	= 2.471044 acres
1 square kilometre	= 100 hectares = 247.1 acres (247.1044 acres = 0.386 of a section)
1 metre	= 39.36 inches = 3.28 feet
1 cubic metre	= 28.377650 bushels
1 kilogram	= 2.204622 pounds
1 tonne	= 2,204.6 pounds = 1.102311 tons
1 litre	= 0.87988 quarts = 0.21997 gallons

Weight Equivalents of Selected Commodities

Wheat 1 bushel = 0.027216 tonne
1 tonne = 36.744 bushels

Oats 1 bushel = 0.015422 tonne
1 tonne = 64.842 bushels

Barley 1 bushel = 0.021773 tonne
1 tonne = 45.930 bushels

Mixed Grain 1 bushel = 0.020412 tonne
1 tonne = 48.992 bushels

Rye, Corn & Flaxseed 1 bushel = 0.0254 tonne
1 tonne = 39.368 bushels

Canola 1 bushel = 0.02268 tonne
1 tonne = 44.092 bushels

INTRODUCTION

The **Agriculture Statistics Yearbook** is a leading source of fundamental agri-food statistics for the province of Alberta, compiled by the Statistics and Data Development Unit of the Department of Alberta Agriculture, Food and Rural Development. The dynamic trends occurring in the primary agricultural industry and the expanding food processing sector are presented in the Yearbook's 105 statistical tables with both a historical and current perspective. Selected sections of the Yearbook not only provide detailed data for Alberta, but are supplemented with comparable data for the other provinces and Canada.

The coverage and contents of this issue of the Yearbook follow the lines of last year's edition. The time reference for the statistical tables is based on the calendar year unless otherwise specified. The majority of tables have been updated to include data for the 1998 reference year and where available, for 1999.

Note: Data presented in the Yearbook are current as of February, 2000.

The Yearbook features topics of major significance and importance to the agri-food sector including farm cash receipts, net farm income, input costs, population, gross domestic product, employment, investment expenditures, food expenditures, food and beverage processing activity measures, commodity prices, exports of primary commodities and value added processed products, production and inventory of livestock and crop estimates (production and acreage). In addition, the last section of the Yearbook presents selected data from the 1996 Census of Agriculture (conducted on May 14, 1996 by Statistics Canada).

Components presented in the statistical tables may not sum to the total due to rounding of figures.

Statistical data in the **Yearbook** were compiled from a variety of sources with major contributions by the Agriculture Division of Statistics Canada, in cooperation with Alberta Agriculture, Food and Rural Development. We gratefully acknowledge the assistance of Agriculture and Agri-Food Canada as well as other federal and provincial departments and agencies who provided data for inclusion in this publication. Special appreciation is extended to all agricultural producers and processors who responded to our surveys or supplied other information to surveys conducted by Statistics Canada.

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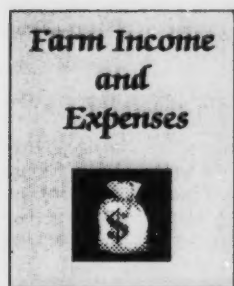
Alberta Agriculture, Food and Rural Development has produced the **Yearbook** since the early 1970's as a service to government program planners, policy makers, agri-businesses, farm organizations, market researchers, academic institutions and the agricultural community at large. **We hope you find this edition informative and useful !**

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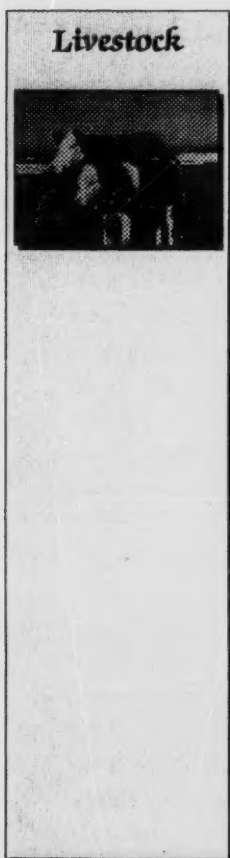
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ALBERTA

**Census Divisions and Municipalities
1996**

Produced by Alberta Treasury, Statistics.

Alberta Number of Farms by Census Division - 1996 Census of Agriculture

	No. of Farms		No. of Farms		No. of Farms
Census Division 1		Census Division 9		Census Division 16	
(Medicine Hat).....	1,817	(Rocky Mountain House).....	1,377	(Fort McMurray) (2).....	21
Cypress M.D. 1.....	1,046	Clearwater M.D. 99.....	1,377	Wood Buffalo S.M.....	n/a
Forty Mile County 8.....	771			I.D. 24.....	n/a
Census Division 2		Census Division 10		Census Division 17	
(Lethbridge).....	3,795	(Camrose/Vermilion).....	6,565	(Fort Vermilion).....	3,088
Lethbridge County 26.....	1,221	Beaver County 9.....	1,026	Clear Hills M.D. 21.....	591
Newell County 4.....	997	Camrose County 22.....	1,432	East Peace M.D. 131.....	280
Taber M.D. 14.....	960	Lamont County 30.....	1,105	Lesser Slave River M.D. 124...	205
Warner County 5.....	617	Minburn County 27.....	836	Mackenzie M.D. 23.....	699
		Two Hills County 21.....	761	M.D. of Big Lakes.....	532
		Vermilion River County 24.....	1,405	Northern Lights M.D. 22.....	735
Census Division 3		I.D. 13.....	n/a	Opportunity M.D. 17.....	11
(Pincher Creek).....	2,345	Census Division 11		Census Division 18	
Cardston M.D. 6.....	796	(Edmonton).....	7,359	(Valleyview).....	798
Pincher Creek M.D. 9.....	610	Brazeau M.D. 77.....	701	Greenview M.D. 16.....	798
Willow Creek M.D. 26.....	939	Edmonton.....	233		
I.D. 4.....	n/a	Leduc County 25.....	1,703	Census Division 19	
Census Division 4		Parkland County.....	1,196	(Grande Prairie/Fairview).....	3,889
(Oyen/Hanna).....	1,572	Strathcona County.....	938	Birch Hills M.D. 19.....	362
Acadia M.D. 34.....	118	Sturgeon M.D. 90.....	1,172	Fairview M.D. 136.....	344
Special Area 2 (Hanna).....	602	Wetaskiwin County 10.....	1,416	Grande Prairie County 1.....	1,560
Special Area 3 (Oyen).....	482			Peace M.D. 135.....	251
Special Area 4 (Consort).....	370	Census Division 12		Saddle Hills M.D. 20.....	660
Census Division 5		(Bonnyville/St. Paul).....	2,939	Spirit River M.D. 133.....	185
(Drumheller/Vulcan).....	3,165	Bonnyville M.D. 87 (2).....	1,349	Smoky River M.D. 130.....	527
Badlands M.D. 7 (1).....	19	Smoky Lake County 13.....	629		
Kneehill M.D. 48.....	951	St. Paul County 19.....	961	Total Farms in Alberta.....	
Starland M.D. 47 (1).....	439			59,007	
Vulcan County 2.....	801	Census Division 13		Amalgamations:	
Wheatland County 16.....	974	(Barrhead/Athabasca).....	5,466	Due to confidentiality constraints, agricultural data for subdivisions with very few farms were combined with data from adjacent areas. In most cases, the name of the amalgamation is identical to the largest component of the amalgamation.	
Census Division 6		Athabasca County 12.....	1,055	(1) Starland M.D. 47 refers to Badlands M.D. 7 plus Starland M.D. 47 for a total of 439 farms.	
(Calgary).....	5,126	Barrhead County 11.....	1,023	(2) Bonnyville M.D. 87 refers to Census Division 16 plus Bonnyville M.D. 87 for a total of 1,349 farms.	
Calgary.....	126	Lac Ste. Anne County.....	1,255	(3) Ranchland M.D. 66 refers to Crowsnest Pass plus Improvement Districts 5, 9 and 12 and Ranchland M.D. 66 for a total of 66 farms.	
Foothills M.D. 31.....	1,418	Thorhild County 7.....	658	NOTE: Due to minimal or no agricultural activity, data are not available for Improvement Districts 4 (Waterton Park), 24 (Wood Buffalo Area), 13 (Elk Island), 25 (Willmore Wilderness Park) and Jasper Improvement District. The total for Census Division No. 17 includes Indian Reserve areas.	
Mountain View County 17.....	1,952	Westlock M.D. 92.....	1,115		
Rocky View M.D. 44.....	1,630	Woodlands M.D. 15.....	360		
Census Division 7		Census Division 14			
(Wainwright/Stettler).....	3,664	(Edson).....	927		
Flagstaff County 29.....	992	Yellowhead M.D. 94.....	927		
Paintearth County 18.....	545	I.D. 25.....	n/a		
Provost M.D. 52.....	554	Census Division 15			
Stettler County 6.....	922	(Mountain Parks Region)....	135		
Wainwright M.D. 61.....	641	Crowsnest Pass (3).....	23		
Census Division No. 8		Bighorn M.D. 8.....	89		
(Red Deer).....	4,960	I.D. 5 (3).....	4		
Lacombe County.....	1,481	I.D. 9 (3).....	2		
Ponoka County 3.....	1,449	I.D. 12 (3).....	2		
Red Deer County 23.....	2,030	Ranchland M.D. 66 (3).....	66		
		Jasper I.D.....	n/a		

M.D. - Municipal District I.D. - Improvement District S.M. - Specialized Municipality n/a - not available

Source: Statistics Canada, 1996 Census of Agriculture



Alberta Agri-Food Activity Indicators

**Primary and Secondary
Agriculture Production**

Employed Labour Force

Gross Domestic Product

**Farm Cash Receipts and
Farm Income**

**Food and Beverage
Manufacturing Industries**

Agri-Food Exports

**Where Does Alberta Rank in
the Canadian Agri-Food
Sector?**

**Value of Alberta
Agricultural Production**

Alberta Agri-Food Activity Indicators, 1989-1999

	Employed Labour Force Agri-Food Industries	International Agri-Food Exports									Gross Domestic Product (2)		
		Total Farm Cash Receipts (1)	Food & Beverage Industries		Primary Commodities	Value Added		Total Agri-Food Exports	Food & Bev.				
			Manufacturing Shipments	Manufacturing Value Added		Processed Products	Agriculture Industries		Manufacturing Industries	Total Agri-Food Industries			
No. of Persons													
1989	111,500	4,599.5	4,636.3	956.0	1,815.5	620.1	2,435.6	1,982.0	779.0	2,761.0			
1990	114,000	4,283.1	4,888.8	1,067.9	1,992.0	701.0	2,693.1	2,131.0	887.0	3,018.0			
1991	115,900	4,236.3	4,782.7	1,229.1	1,843.0	659.1	2,502.1	2,279.0	1,008.0	3,287.0			
1992	114,100	4,951.7	4,738.8	1,256.2	2,220.7	840.3	3,061.0	1,985.0	928.0	2,913.0			
1993	113,500	5,056.6	5,286.9	1,278.3	1,785.4	1,021.5	2,807.0	2,502.0	1,079.0	3,581.0			
1994	109,400	5,570.2	5,758.8	1,488.5	2,589.2	1,276.4	3,865.6	2,547.0	1,205.0	3,752.0			
1995	113,200	5,949.2	6,334.6	1,685.3	2,777.3	1,472.6	4,249.9	2,718.0	1,266.0	3,984.0			
1996	113,800	6,567.4	6,820.3	1,836.2	3,293.2	1,679.2	4,972.4	2,720.0	1,318.0	4,038.0			
1997	108,700	6,478.9	7,323.8	1,816.3	3,326.7	2,011.8	5,338.5	2,675.0	1,371.0	4,046.0			
1998	112,000	6,393.4	7,549.4	-	2,902.8	2,144.3	5,047.0	2,704.0	1,422.0	4,126.0			
1999	101,500	6,573.3	7,772.5	-	-	-	-	-	-	-			

Annual Per Cent Change										
1990	2.2	-6.9	5.4	11.7	9.7	13.1	10.6	7.5	13.9	9.3
1991	1.7	-1.1	-2.2	15.1	-7.5	-6.0	-7.1	6.9	13.6	8.9
1992	-1.6	16.9	-0.9	2.2	20.5	27.5	22.3	-12.9	-7.9	-11.4
1993	-0.5	2.1	11.6	1.8	-19.6	21.6	-8.3	26.0	16.3	22.9
1994	-3.6	10.2	8.9	16.4	45.0	25.0	37.7	1.8	11.7	4.8
1995	3.5	6.8	10.0	13.2	7.3	15.4	9.9	6.7	5.1	6.2
1996	0.5	10.4	7.7	9.0	18.6	14.0	17.0	0.1	4.1	1.4
1997	-4.5	-1.3	7.4	-1.1	1.0	19.8	7.4	-1.7	4.0	0.2
1998	3.0	-1.3	3.1	-	-12.7	6.6	-5.5	1.1	3.7	2.0
1999	-9.4	2.8	3.0	-	-	-	-	-	-	-

Alberta as a Per Cent of Canada - 1998										
Canada	695,500	29,648.4	59,332.6	-	10,848.1	11,956.5	22,804.6	12,809.0	17,498.0	30,307.0
Alberta	112,000	6,393.4	7,549.4	-	2,902.8	2,144.3	5,047.0	2,704.0	1,422.0	4,126.0

Alberta as a Per Cent of Canada

16.1%	21.6%	12.7%		26.8%	17.9%	22.1%	21.1%	8.1%	13.6%
-------	-------	-------	--	-------	-------	-------	-------	------	-------

(1) Includes cash receipts for crops, livestock, livestock products and program payments to producers.

(2) Gross Domestic Product at Factor Cost in Constant (1992) Dollars.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

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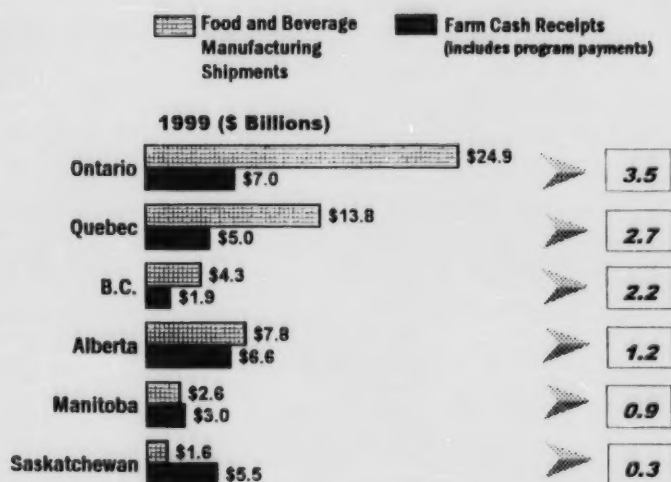
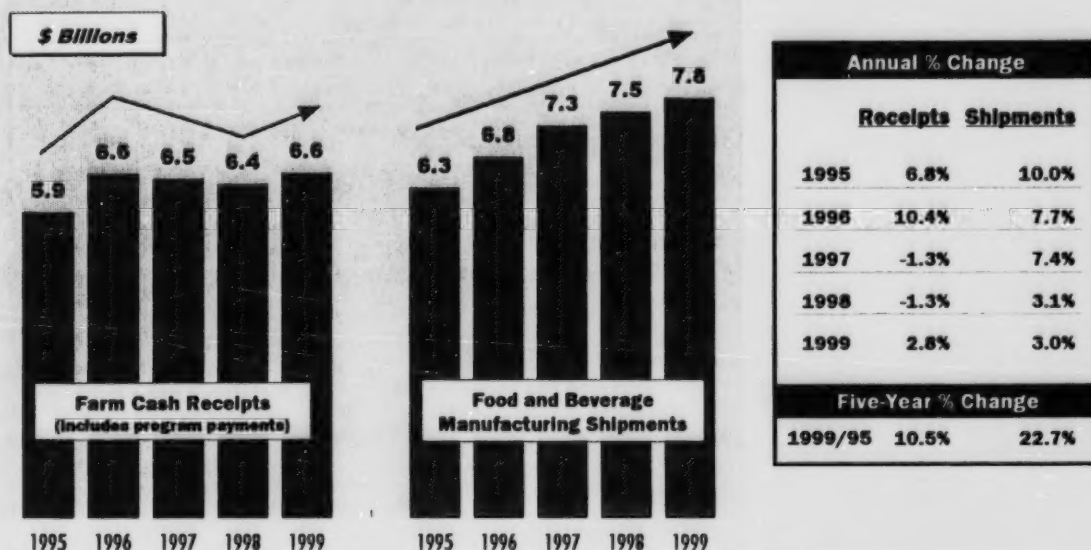
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1999 Primary and Secondary Agricultural Production

Alberta's primary agriculture industry remains one of the province's most important economic sectors. In 1999, Alberta farmers generated \$6.6 billion in sales of crops and livestock, the second highest level among the provinces. While the crops sector continued to experience weakness (down 7%), livestock receipts grew 10% to a high of \$4.0 billion. The province's secondary food and beverage processing industries continued to expand in 1999, reaching a new record of \$7.8 billion in shipments, up 3% over 1998. Secondary food and beverage processing is Alberta's largest manufacturing sector (22% of total provincial manufacturing shipments) employing 19,000 Albertans.

Alberta Farm Cash Receipts Compared to Food and Beverage Manufacturing Shipments



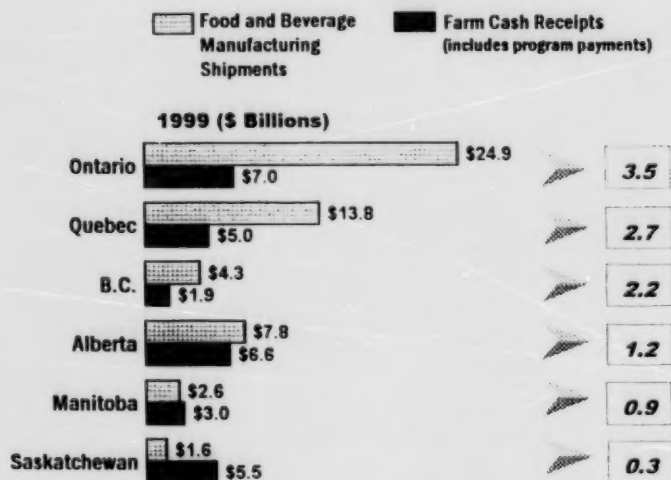
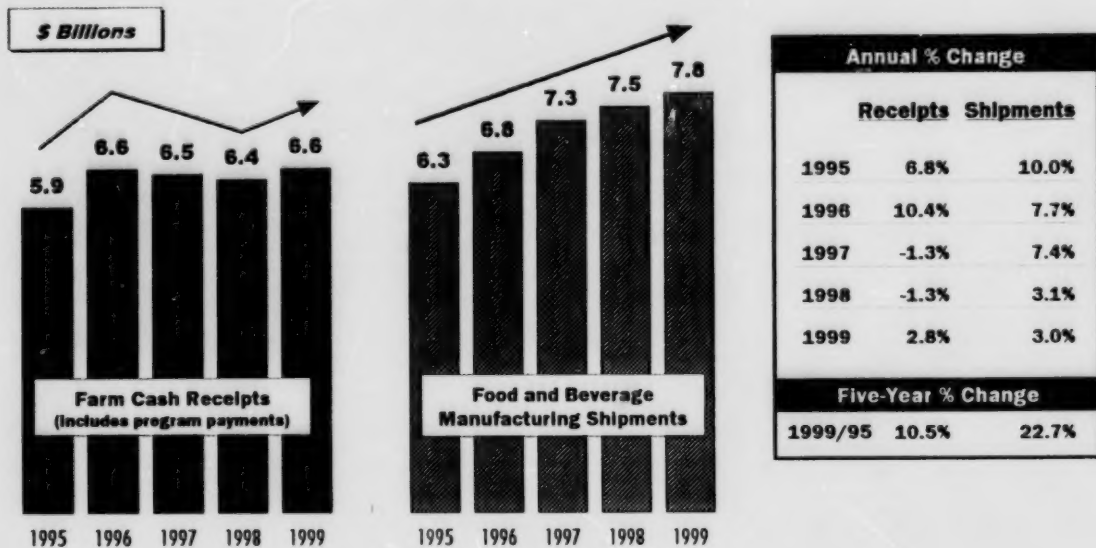
1999 RATIO Shipments/Receipts

Processing intensity is highest in Eastern Canada as shown by the ratio of food and beverage shipments to farm cash receipts. In 1999, Alberta's ratio was 1.2 compared to Ontario's at 3.5.

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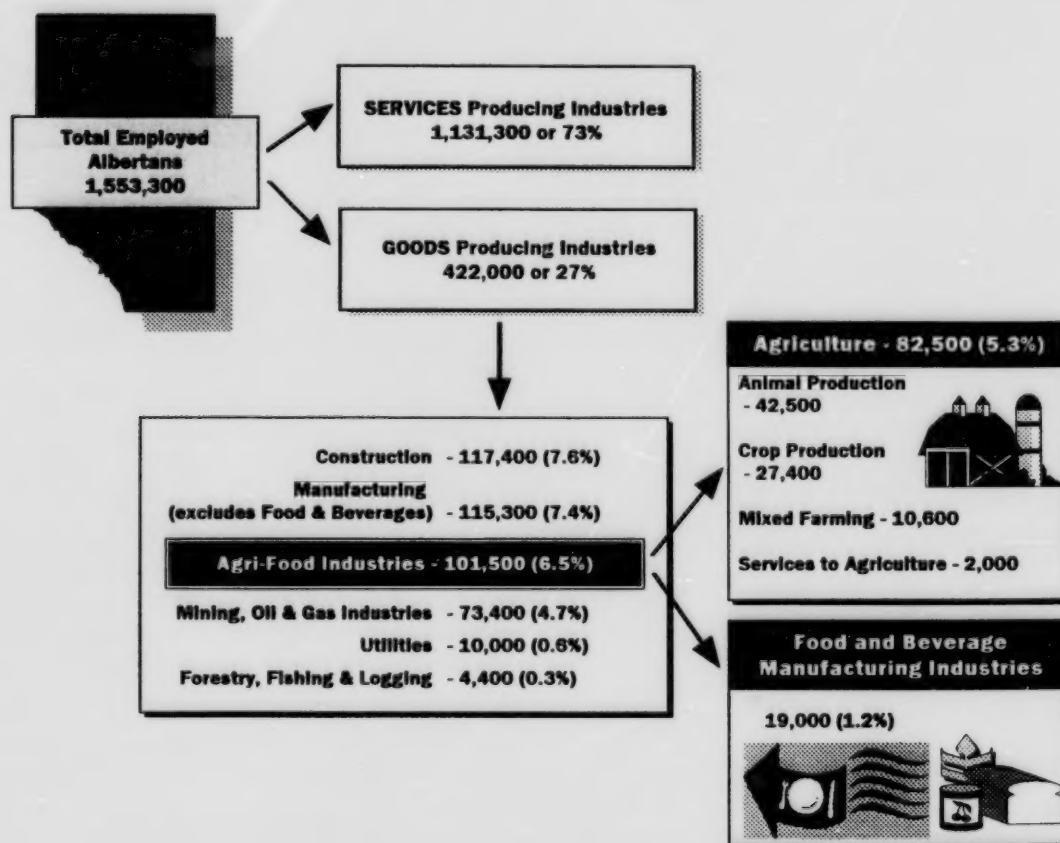
1999 Employed Labour Force

In 1999, the creation of 37,900 new jobs boosted Alberta's employed labour force to a record 1.55 million persons. After Manitoba (5.6%), Alberta reported the second lowest unemployment rate in the nation at 5.7%. Almost 7% (or 101,500 persons) of Alberta's workforce was employed in agri-food industries: agriculture industry (82,500) plus food and beverage manufacturing industries (19,000). Canadian agriculture workers totalled 410,300 with the largest segments in Ontario (28%), Alberta (20%) and Saskatchewan (17%). Compared to 1998, agriculture employment levels were lower across Canada except in Ontario, Nova Scotia and Newfoundland.

1999 Employment in Agri-Food Industries, Canada and Provinces

	B.C.	Alberta	Sask.	Manitoba	Ontario	Quebec	Atlantic	Canada
Agriculture	28,600	82,500	67,500	37,300	114,000	62,600	17,800	410,300
% Chg. 1999/98	-13.6%	-9.9%	-5.7%	-4.8%	7.9%	-8.7%	-0.7%	-4.2%
Food & Beverage Manufacturing	21,700	19,000	7,100	9,500	101,900	72,300	38,000	269,400
% Chg. 1999/98	-15.9%	-6.9%	6.0%	2.2%	-5.0%	14.0%	9.8%	0.7%

1999 Alberta Employed Labour Force by Industry



1998 Gross Domestic Product (1)

Although world oil prices fell 30% in 1998, Alberta's economy continued to expand, up 2% over last year (in real terms). Alberta led all provinces in employment growth at 3.9% (or 57,500 new jobs) and the unemployment rate at 5.6% was among the lowest in Canada. Economic output from agri-food industries grew 2% to \$4.1 billion. GDP in food and beverage manufacturing was up 3.7% compared to a smaller gain of 1.1% in agriculture. At \$2.7 billion, Alberta's agricultural activity was the second highest (21%) in Canada after the province of Ontario at \$3.4 billion or 26%.

Structure of the Alberta Economy

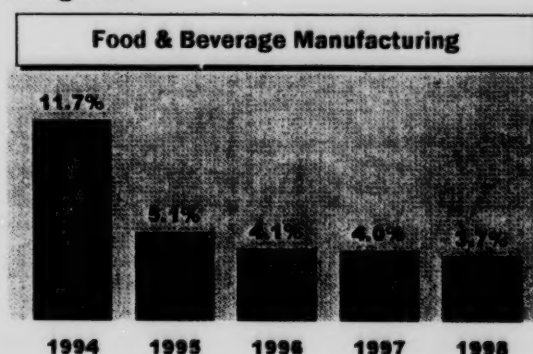
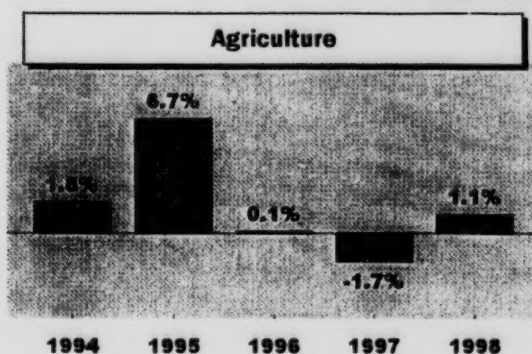
Rank		% Share of GDP
1	Mining, Crude Petroleum, Natural Gas.....	18.8
2	Finance, Insurance, Real Estate.....	11.6
3	Retail & Wholesale Trade.....	11.1
4	Manufacturing (excl. Food & Bev.).....	8.5
5	Construction.....	8.2
6	Transp., Storage and Communication.....	8.0
7	Business Services.....	4.9
8	Agri-Food Industries.....	4.7
9	Health and Social Services.....	4.7
10	Educational Services.....	4.3
11	Government Services.....	4.1
12	Other Services.....	3.6
13	Utilities.....	3.3
14	Accomm., Food and Beverage Services.....	2.8
15	Forestry, Fishing, Trapping.....	0.3

So far this decade, Alberta's agri-food sector experienced its most rapid growth in 1993 when GDP jumped 23%. Since then, growth has slowed considerably, ranging from 6.2% in 1995 to 0.2% in 1997. About 65% of the sector's output is generated by primary agriculture and the remaining by food and beverage manufacturing industries. The slower growth in recent years was mainly due to stagnant output in agriculture while processing industries continued to report steady growth. In 1998, agriculture was adversely affected by depressed crop prices, decreased demand for grains as well as declining hog prices. The cattle industry, however, continued to expand.

Alberta GDP for Agri-Food Industries

	1994	1995	1996	1997	1998
GDP (\$ Billions)	\$3.75	\$3.98	\$4.04	\$4.05	\$4.13
Annual % Change	4.8%	6.2%	1.4%	0.2%	2.0%
% Share of Total Alberta GDP	4.9%	5.1%	5.1%	4.7%	4.7%

- Annual Per Cent Change GDP -



(1) Gross Domestic Product (GDP) is at Factor Cost in Constant (1992) Dollars.

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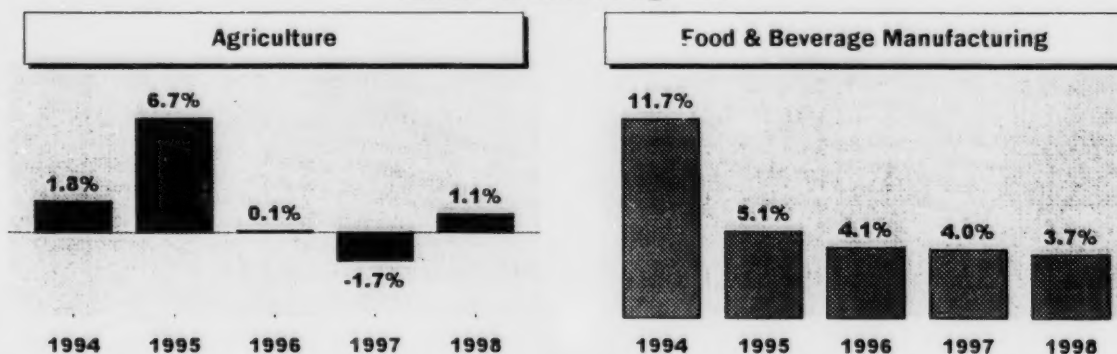
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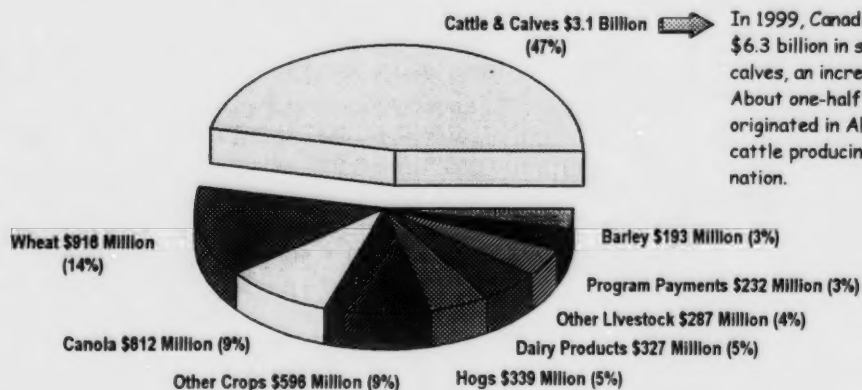


(1) Gross Domestic Product (GDP) is at Factor Cost in Constant (1992) Dollars.

1999 Farm Cash Receipts and Farm Income

Following two consecutive annual declines, Alberta farm cash receipts from the sale of crops and livestock increased 3% in 1999 to \$6.6 billion. The increase was mostly due to a 10% gain in the livestock sector, particularly in sales of cattle and calves which grew 12% to \$3.1 billion. While overall receipts were strengthened by gains in livestock, the crop sector (\$2.3 billion) reported another decrease (7%) due to continued low grain prices and oversupply of world grain stocks.

Distribution of 1999 Alberta Farm Cash Receipts (\$6.6 Billion)



In 1999, Canadian farmers generated \$6.3 billion in sales of cattle and calves, an increase of 10% over 1998. About one-half of these receipts originated in Alberta, the leading cattle producing province in the nation.

Alberta Key Farm Income Indicators

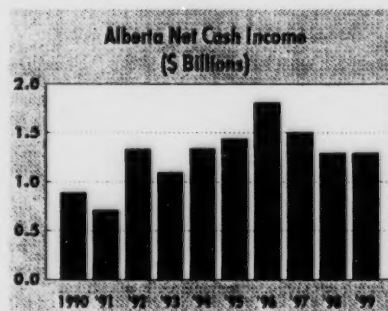
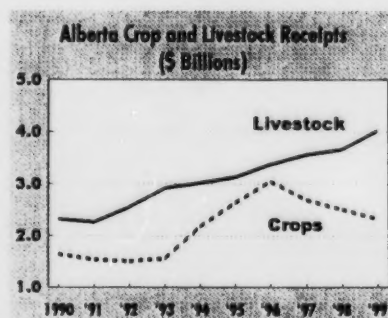
	\$ Millions			% Chg. 1999/98
	1997	1998	1999	
Total Farm Cash Receipts.....	6,479	6,393	6,573	2.8
Farm Market Receipts.....	6,261	6,155	6,341	3.0
Crop Market Receipts.....	2,689	2,493	2,317	-7.1
Wheat.....	1,046	855	916	7.1
Barley.....	326	208	193	-7.2
Canola.....	757	858	612	-28.7
Livestock Market Receipts.....	3,572	3,662	4,025	9.9
Cattle and Calves.....	2,536	2,748	3,072	11.8
Hogs.....	438	315	339	7.6
Program Payments.....	218	238	232	-2.7
As a % of Total Farm Receipts ..	3.4	3.7	3.5	
Farm Operating Expenses (1).....	4,985	5,111	(f) 5,233	2.4
Net Cash Income (2).....	1,494	1,282	(f) 1,295	1.0
Realized Net Farm Income (3).....	613	352	(f) 349	-0.9

f- forecast estimate

(1) After rebates.

(2) Net Cash Income (farm cash receipts less farm operating expenses) is a measure of cash available to farmers.

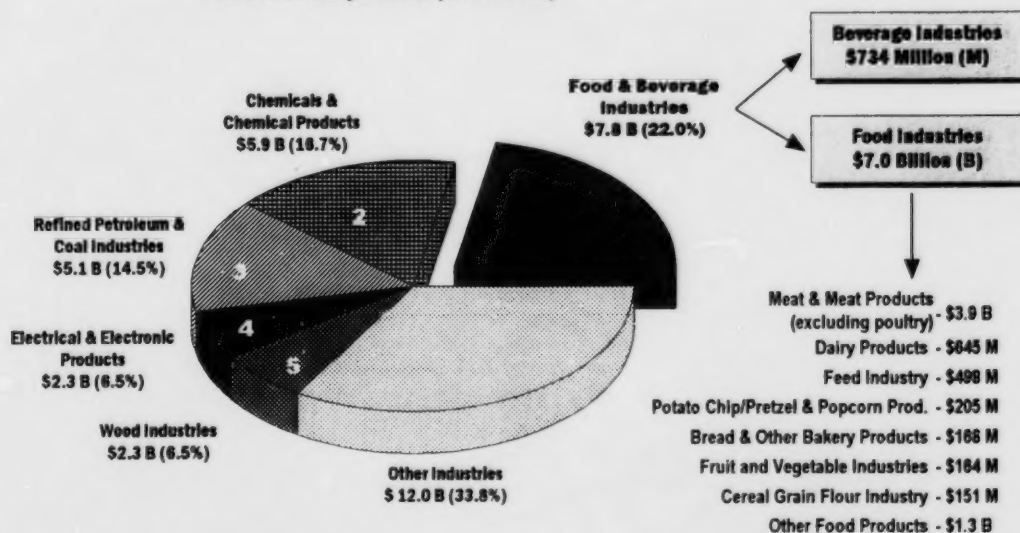
(3) Realized Net Income is the residual income from farming operations after income-in-kind and all production costs and depreciation charges have been accounted for. It represents the after-expense earnings available to the farmer for debt servicing, savings, investments, personal consumption and taxes.



1999 (p) Food and Beverage Manufacturing Industries

Alberta's food and beverage processing industries comprise the province's largest manufacturing sector in terms of value of shipments (\$7.8 billion) and employment (19,000 persons). The sector is dominated by meat and meat products industries which account for about half of shipments generated (\$3.9 billion).

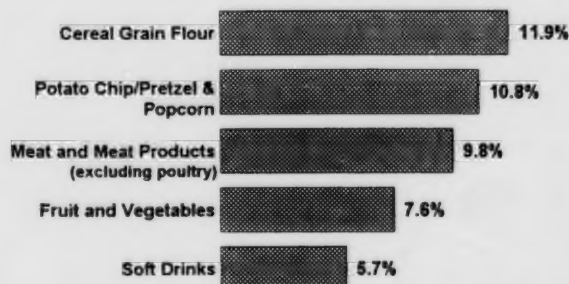
TOP FIVE Alberta Manufacturing Industries in 1999 - Value of Shipments (\$ Billions) -



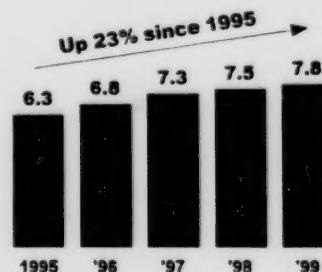
1999 Manufacturing Shipments, All Industries = \$35.3 Billion

Per Cent Change 1999/98 - Top Five Largest Gains Among Alberta Food and Beverage Manufacturing Industries

In 1999, total shipments were up 3% over last year with the majority of subsectors reporting increased activity. Meat and meat products (excluding poultry) industries expanded by 9.8%, well above the 3.7% gain in 1998.



Alberta Food and Beverage Manufacturing Shipments (\$ Billions)



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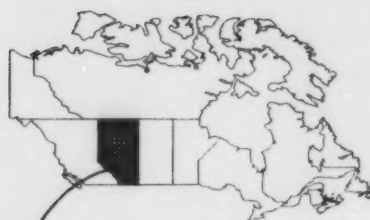
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1998 Value of Agri-Food Exports

Alberta exports primary commodities (crops and animals) and value added processed products to over 128 countries around the world. In 1998, agri-food exports were valued at \$5.0 billion (preliminary estimate) with the United States remaining the largest market at \$2.7 billion (53%). About half of Alberta's raw crop and livestock production was exported in 1998. The leading agri-food exporting province in Canada is Ontario followed by Alberta and Saskatchewan.



World Agri-Food Exports (1)
US \$468 Billion



Canada exported \$23 billion worth of agri-food exports in 1998. The nation's five largest markets were the United States (57%), Japan (9%), European Union (7%), China (4%) and Mexico (3%). The top five commodities traded were wheat, canola seed, live cattle, beef and whiskey.

In 1998, Alberta accounted for 22% of Canada's total agri-food exports. At \$5.0 billion, Alberta exports were led by wheat, beef, live cattle, canola seed and canola oil. These five commodities accounted for nearly 70% of total agri-food exports. More than half of exports continue to be destined for the United States, the province's top trading partner. The next largest markets were Japan (13%), China (6%), Mexico (4%) and Indonesia (2%).



1998

Alberta Exports to All Countries

Five-Year % Change 1998/94

	Total Agri-Food Exports	Value Added Processed Products	Primary Commodities (Crops & Animals)
Alberta Exports to All Countries	\$5.05 B	\$2.14 B	\$2.90 B
Five-Year % Change 1998/94	30.6%	68.0%	12.1%
To United States Only	\$2.65 B	\$1.54 B	\$1.10 B
% Share	52.5%	72.0%	38.2%
To Other Countries	\$2.40 B	\$601 M	\$1.80 B
% Share	47.5%	28.0%	61.8%

B - Billions of Dollars M - Millions of Dollars

(1) Source: Statistics Canada, World Trade Analyzer. Latest estimate (in U.S. dollars) is for the 1997 calendar year.

Where Does ALBERTA Rank in the Canadian Agri-Food Sector?

Indicators of agri-food activity for Canada's ten provinces showed that Alberta ranked at or near the top in several areas:

RANK

▲ Number of Farms in Alberta on May 14, 1996.....	59,007	2nd
▲ Total Area (Acres) of Farm Land on May 14, 1996.....	51,984,360	2nd
▲ 1999 Farm Cash Receipts		
Total Farm Cash Receipts (including Program Payments to Farmers).....	\$6.6 Billion	2nd
- Crop Market Receipts.....	\$2.3 Billion	3rd
- Wheat.....	\$916 Million	2nd
- Barley.....	\$193 Million	2nd
- Canola.....	\$612 Million	2nd
- Livestock and Livestock Products Market Receipts.....	\$4.0 Billion	1st
- Cattle and Calves.....	\$3.1 Billion	1st
- Hogs.....	\$339 Million	4th
- Program Payments to Farmers.....	\$232 Million	4th
▲ 1999 Value of Food and Beverage Processing Activity		
Total Food and Beverage Manufacturing Shipments.....	\$7.8 Billion	3rd
- Meat and Meat Products (excluding Poultry) Industries.....	\$3.9 Billion	1st
▲ 1999 Employed Labour Force (no. of persons)		
Agri-Food Industries.....	101,500	3rd
- Agriculture.....	82,500	2nd
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▲ 1998 Value of International Agri-Food Exports (1).....	\$5.0 Billion	2nd
▲ 1999 Major Crop Production (tonnes)		
- Wheat.....	8,137,600	2nd
- Barley.....	5,987,400	1st
- Oats.....	863,600	2nd
- Canola.....	2,971,000	2nd
- Flaxseed.....	43,200	3rd
- All Rye.....	72,400	3rd
▲ Number of Livestock on Farms (head)		
On July 1, 1999 - Cattle and Calves.....	5,760,000	1st
- Hogs.....	1,807,900	3rd
- Sheep and Lambs.....	217,300	1st
On May 14, 1996 (1) - Bison	22,782	1st
- Deer and Elk.....	10,687	4th
- Llamas and Alpacas.....	3,692	1st
▲ 1998 Number of Livestock Slaughtered (head)		
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- Hogs.....	1,596,267	4th

Source: Statistics Canada unless otherwise noted.

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Five-Year % Change 1998/94

To United States Only

% Share

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(1) Source: Alberta Agriculture, Food and Rural Development; and Agriculture and Agri-Food Canada

Value of Alberta Agricultural Production, 1993-1998

Calendar Year	1993	1994	1995	1996	1997	1998	% Chg. 98/97
Crops	Production ('000 tonnes) (1)						
All Wheat.....	7,620.2	5,592.7	7,337.3	7,789.1	6,839.3	6,752.3	-1.3
Oats for Grain.....	1,465.1	1,187.5	771.1	1,079.5	979.3	771.1	-21.3
Barley for Grain.....	6,314.0	5,464.9	6,335.8	7,076.0	6,390.2	5,660.8	-11.4
All Rye.....	81.3	88.9	61.0	64.1	49.6	77.5	56.3
Mixed Grains.....	110.2	81.6	120.4	73.5	108.2	55.1	-49.1
Flaxseed.....	40.6	40.6	53.3	20.3	31.8	39.4	23.9
Canola.....	2,154.6	2,472.1	2,426.7	1,701.0	2,041.2	2,449.4	20.0
Mustard Seed (2).....	43.4	50.2	60.2	29.0	50.6	39.7	-21.5
Sugar Beets (3).....	542.3	737.8	688.5	676.6	635.0	880.0	38.6
Tame Hay.....	7,348.2	9,162.6	7,620.4	8,598.0	4,490.6	5,216.3	16.2
Dry Peas (2).....	364.3	408.0	412.3	307.5	421.8	488.0	15.7
Other Crops.....	...	...	...	...	...	...	...
	Average Farm Value (\$/tonne) (4)						
All Wheat.....	122.72	172.25	209.44	151.75	143.30	137.79	-3.8
Oats for Grain.....	88.19	88.00	169.24	101.15	122.55	109.58	-10.6
Barley for Grain.....	76.70	97.83	152.95	118.50	119.42	105.64	-11.5
All Rye.....	87.00	91.00	108.26	133.46	98.42	86.61	-12.0
Mixed Grains.....	76.04	99.85	159.74	111.80	120.98	107.61	-11.1
Flaxseed.....	229.91	268.10	276.36	322.03	318.09	275.97	-13.2
Canola.....	313.05	350.09	369.49	399.91	377.87	350.09	-7.4
Mustard Seed (2).....	271.39	276.52	406.75	601.64	511.47	379.19	-25.9
Sugar Beets (3).....	38.83	43.02	43.70	42.13	48.30	33.90	-29.8
Tame Hay.....	70.47	67.31	80.91	95.12	87.07	77.98	-10.4
Dry Peas (2).....	151.02	166.58	194.00	223.77	252.80	171.23	-32.3
Other Crops.....	...	...	...	...	...	...	...
	Value of Production (\$'000)						
All Wheat.....	935,151	963,343	1,536,724	1,181,996	980,072	930,399	-5.1
Oats for Grain.....	129,200	104,500	130,501	109,191	120,013	84,497	-29.6
Barley for Grain.....	484,303	534,631	969,061	838,506	763,118	598,007	-21.6
All Rye.....	7,073	8,090	6,604	8,555	4,882	6,712	37.5
Mixed Grains.....	8,379	8,148	19,233	8,217	13,090	5,929	-54.7
Flaxseed.....	9,334	10,885	14,730	6,537	10,115	10,873	7.5
Canola.....	674,504	865,457	896,641	680,247	771,308	857,510	11.2
Mustard Seed (2).....	11,778	13,881	24,486	17,448	25,880	15,054	-41.8
Sugar Beets (3).....	21,060	31,742	30,087	28,505	30,671	29,832	-2.7
Tame Hay.....	517,828	616,735	616,567	817,842	390,997	406,767	4.0
Dry Peas (2).....	55,016	67,965	79,986	68,809	106,631	83,559	-21.6
Other Crops (5).....	174,219	181,288	201,292	208,386	209,873	225,632	7.5
Total Crops.....	3,027,846	3,406,664	4,525,912	3,974,239	3,426,649	3,254,772	-5.0

(1) Source: Statistics Canada unless otherwise noted.

(2) Source: Specialty Crop Survey, Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

(3) Source: Alberta Sugar Beet Growers Marketing Board

(4) Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

(5) Source: Farm Cash Receipts estimates from Statistics Canada. "Other Crops" include corn, potatoes, vegetables, strawberries, other berries/grapes, floriculture and nursery, sunflower seed, lentils, forage and grass seed.

Value of Alberta Agricultural Production - Cont'd

Calendar Year	1993	1994	1995	1996	1997	1998	% Chg. 98/97
Livestock and Livestock Products							
	Value of Production (\$'000) (6)						
Cattle and Calves.....	1,820,493	2,027,230	2,153,330	2,141,690	2,224,947	2,183,112	-1.9
Hogs.....	319,405	331,557	381,526	430,593	450,785	310,642	-31.1
Sheep and Lambs.....	13,005	13,262	14,920	15,088	14,548	11,594	-20.3
Total Livestock.....	2,152,903	2,372,049	2,549,776	2,587,371	2,690,280	2,505,348	-6.9
Dairy Products.....	244,961	258,122	265,919	291,007	316,826	311,714	-1.6
Poultry and Eggs.....	151,189	163,053	165,245	180,005	167,369	173,440	3.6
Honey (7).....	16,755	21,729	18,280	25,994	26,688	34,900	30.8
Other Livestock and Products.....	54,190	57,298	69,782	74,095	68,127	75,335	10.6
Total Livestock and Livestock Products.....	2,619,998	2,872,251	3,069,002	3,158,472	3,269,290	3,100,737	-5.2

Total Gross Value of Agricultural Production in Alberta (\$'000)							
	1993	1994	1995	1996	1997	1998	% Chg. 98/97
Crops.....	3,027,846	3,406,664	4,525,912	3,974,239	3,426,649	3,254,772	-5.0
Livestock and Livestock Products.....	2,619,998	2,872,251	3,069,002	3,158,472	3,269,290	3,100,737	-5.2
Total Value of Production....	5,647,844	6,278,915	7,594,914	7,132,711	6,695,939	6,355,509	-5.1

Note: Totals may not add up due to rounding.

(6) Source: Statistics Canada unless otherwise noted. Estimates for cattle and calves, hogs, sheep and lambs include farm cash receipts plus the value of inventory change less feeder imports plus income-in-kind. Estimates for dairy products and other livestock and products include farm cash receipts plus income-in-kind. Gross value of production is shown for poultry and eggs.

(7) Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Value of Agricultural Production

Every year, about 22 million acres of cropland are harvested in Alberta and millions of cattle, hogs, sheep and poultry are slaughtered for human consumption. The above table presents a gross measurement of this agricultural activity incorporating production estimates, average farm values, farm market cash receipts, value of inventory change estimates and income-in-kind. Farm market cash receipts represent the cash income received from the sale of agricultural commodities excluding direct government program payments. Income-in-kind measures the value of agricultural commodities produced on farms and consumed by individuals living on these farm operations.

Users should note that double counting may occur as in the case of barley, much of which is grown and fed to cattle. In this table, barley is valued in the crops sector as well as in the total value of cattle marketed. Gross value of production, therefore, incorporates total production from all farms, regardless of where and how it is used or marketed.



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Farm Cash Receipts

Refers to the cash income received from the sale of agricultural commodities (field crops, vegetables, fruits, floriculture and nursery products, sod, maple and forest products, livestock, dairy products, poultry, eggs, wool, fur, honey and beeswax) as well as direct program payments to producers. The sector includes all agricultural holdings with annual sales of agricultural products of at least \$250.

Direct program payments to producers refers to the amounts paid to individuals involved in agricultural production. This includes subsidies to encourage production or to compensate producers for low market returns, payments to stabilize incomes and payments to compensate producers for crop or livestock losses caused by extreme climatic conditions, disease or other reasons.

All inter-farm sales within a province are excluded from farm cash receipts estimates as their inclusion would result in double counting. However, farm-to-farm sales between provinces are included as are sales outside the sector. Excluding inter-farm sales within a province means that farm cash receipts cannot be used as a measure of the gross output of the agriculture sector.

Estimates of farm cash receipts are on a cash basis and represent the value of sales when they occur (when ownership first changes hands). Sales are only recorded when cash disbursements have actually occurred. The prices used to value transactions include any bonuses and premiums which can be attributed to specific commodities, but exclude fees deducted before the producer is paid (e.g. storage, transportation, marketing or administrative costs).

Table 1 Selected Farm Income Statistics (\$'000), Canada and Provinces, 1995-1999

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Total Farm Cash Receipts (Market Receipts plus Program Payments)								
1995r....	27,173,510	5,949,173	5,396,959	2,523,054	1,598,532	6,347,407	4,354,339	1,004,046
1996r....	29,360,688	6,567,375	5,778,503	2,815,880	1,709,677	6,724,260	4,711,704	1,053,289
1997r....	30,061,173	6,478,941	6,036,700	3,065,416	1,756,139	6,890,325	4,791,788	1,041,864
1998r....	29,648,425	6,393,402	5,618,804	2,945,883	1,812,783	6,902,170	4,875,848	1,099,535
1999p...	30,311,448	6,573,279	5,498,276	3,029,161	1,947,752	7,029,166	5,046,622	1,187,192
Crop Market Cash Receipts								
1995r....	13,161,289	2,635,805	4,083,615	1,439,930	729,673	2,845,281	1,014,822	412,163
1996r....	14,179,931	3,037,831	4,278,386	1,648,276	774,287	2,886,266	1,143,635	411,250
1997r....	14,316,541	2,689,510	4,540,859	1,721,034	770,103	2,986,884	1,195,214	412,937
1998r....	13,773,875	2,493,421	4,130,934	1,640,076	800,839	3,030,160	1,196,784	481,661
1999p...	13,242,758	2,316,792	3,678,942	1,522,486	869,557	2,986,573	1,307,789	560,619
Livestock and Livestock Products Market Cash Receipts								
1995r....	12,706,805	3,135,990	1,001,821	963,020	843,378	3,390,719	2,828,043	543,834
1996r....	13,861,985	3,377,658	1,034,553	1,111,419	903,173	3,694,162	3,149,193	591,827
1997r....	14,632,265	3,571,702	1,230,337	1,201,872	952,479	3,766,854	3,314,904	594,117
1998r....	14,442,574	3,661,563	1,231,994	1,213,600	978,122	3,680,587	3,090,250	586,458
1999p...	15,230,150	4,024,533	1,353,723	1,294,926	1,037,338	3,700,264	3,232,212	587,154
Total Farm Market Cash Receipts (Crops plus Livestock and Livestock Products)								
1995r....	25,868,094	5,771,795	5,085,436	2,402,950	1,573,051	6,236,000	3,842,865	955,997
1996r....	28,041,916	6,415,489	5,312,939	2,759,695	1,677,460	6,580,428	4,292,828	1,003,077
1997r....	28,948,806	6,261,212	5,771,196	2,922,906	1,722,582	6,753,738	4,510,118	1,007,054
1998r....	28,216,449	6,154,984	5,362,928	2,853,676	1,778,961	6,710,747	4,287,034	1,068,119
1999p...	28,472,908	6,341,325	5,032,665	2,817,412	1,906,895	6,686,837	4,540,001	1,147,773
Program Payments to Farmers								
1995r....	1,305,416	177,378	311,523	120,104	25,481	111,407	511,474	48,049
1996r....	1,318,772	151,886	465,564	56,185	32,217	143,832	418,876	50,212
1997r....	1,112,367	217,729	265,504	142,510	33,557	136,587	281,670	34,810
1998r....	1,431,976	238,418	255,876	92,207	33,822	191,423	588,814	31,416
1999p...	1,838,540	231,954	465,611	211,749	40,857	342,329	506,621	39,419
Net Cash Income (Total Farm Cash Receipts minus Farm Operating Expenses After Rebates)								
1995r....	5,949,438	1,429,857	1,544,611	432,583	234,789	1,160,831	970,000	176,767
1996r....	6,642,444	1,805,175	1,427,456	560,131	308,278	1,277,068	1,070,655	193,681
1997r....	6,894,506	1,493,799	1,739,577	746,629	346,937	1,292,157	1,123,438	151,969
1998r....	6,250,316	1,282,483	1,349,948	608,995	371,795	1,245,461	1,175,493	216,141
1999p...	-	-	-	-	-	-	-	-

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 1 Selected Farm Income Statistics (\$'000), Canada and Provinces - Cont'd

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Realized Net Farm Income								
1995r....	2,780,673	636,029	787,398	134,434	71,512	423,519	636,198	91,583
1996r....	3,321,101	969,421	648,818	251,711	130,388	500,965	714,702	105,096
1997r....	3,454,513	612,914	947,920	431,878	161,029	488,876	752,967	58,929
1998r....	2,671,010	352,555	531,347	285,706	180,884	417,062	784,543	118,913
1999.....	-	-	-	-	-	-	-	-
Total Net Farm Income								
1995r....	3,496,678	1,029,356	958,571	173,728	104,190	438,453	652,226	140,154
1996r....	4,646,530	933,558	1,432,424	547,929	107,652	637,207	863,574	124,186
1997r....	2,411,921	451,982	252,097	280,901	138,422	488,999	727,623	71,897
1998r....	2,867,948	315,736	603,438	390,761	191,433	472,313	793,620	100,647
1999.....	-	-	-	-	-	-	-	-
Farm Operating Expenses After Rebates and Before Depreciation								
1995r....	21,224,072	4,519,316	3,852,348	2,090,471	1,363,743	5,186,576	3,384,339	827,279
1996r....	22,718,244	4,762,200	4,351,047	2,255,749	1,401,399	5,447,192	3,641,049	859,608
1997r....	23,166,667	4,985,142	4,297,123	2,318,787	1,409,202	5,598,168	3,668,350	889,895
1998r....	23,398,109	5,110,919	4,268,856	2,336,888	1,440,988	5,656,709	3,700,355	883,394
1999.....	-	-	-	-	-	-	-	-
Farm Debt Outstanding at December 31								
1995r....	25,676,236	6,613,478	4,509,308	2,421,856	1,368,059	5,441,863	4,393,001	928,671
1996r....	27,229,576	6,704,554	4,773,490	2,568,725	1,456,204	5,964,474	4,769,337	992,792
1997r....	30,348,698	7,369,574	5,170,918	2,813,934	1,608,495	6,926,787	5,357,679	1,101,311
1999.....	33,090,079	7,951,627	5,461,251	3,121,328	1,774,557	7,646,160	5,942,060	1,193,096
1999.....	-	-	-	-	-	-	-	-
Value of Farm Capital at July 1								
1995r....	146,946,403	37,603,321	29,828,768	11,939,244	12,392,365	37,610,779	13,852,028	3,719,898
1996r....	155,318,476	39,740,658	29,932,118	12,507,650	13,611,578	40,504,752	15,032,019	3,989,701
1997r....	163,494,766	42,291,561	31,064,558	13,228,429	14,246,760	42,457,815	15,942,674	4,262,969
1998r....	170,097,245	44,776,727	32,011,650	13,658,450	14,454,558	43,923,070	16,800,277	4,472,513
1999.....	-	-	-	-	-	-	-	-
Value per Acre of Farm Land and Buildings (dollars) (1)								
1995r....	634	515	299	413	1,767	2,188	2,188	1,110
1996r....	689	553	314	443	1,890	2,384	2,384	1,169
1997r....	709	573	317	456	1,894	2,471	2,471	1,187
1998r....	727	602	318	468	1,847	2,538	2,538	1,221
1999.....	-	-	-	-	-	-	-	-

(1) Figures shown for Atlantic provinces are averages.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

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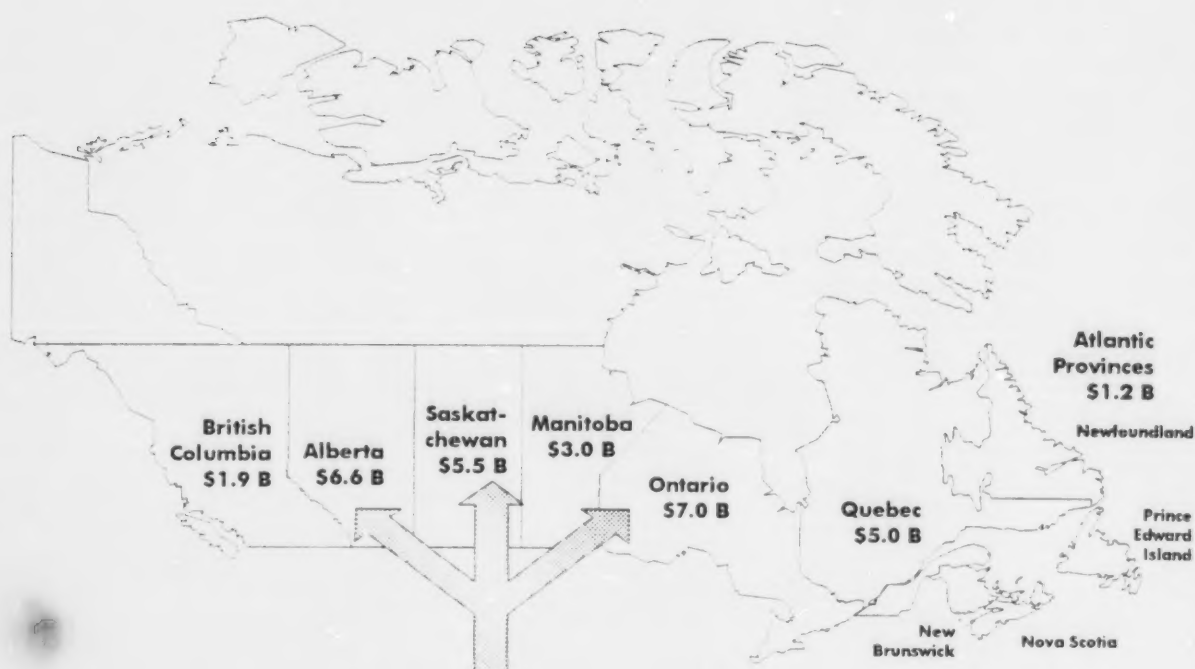
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Fig. 1 Distribution of 1999 Canadian Farm Cash Receipts by Province (\$ Billions)



Top Three Agricultural Producing Provinces in Canada

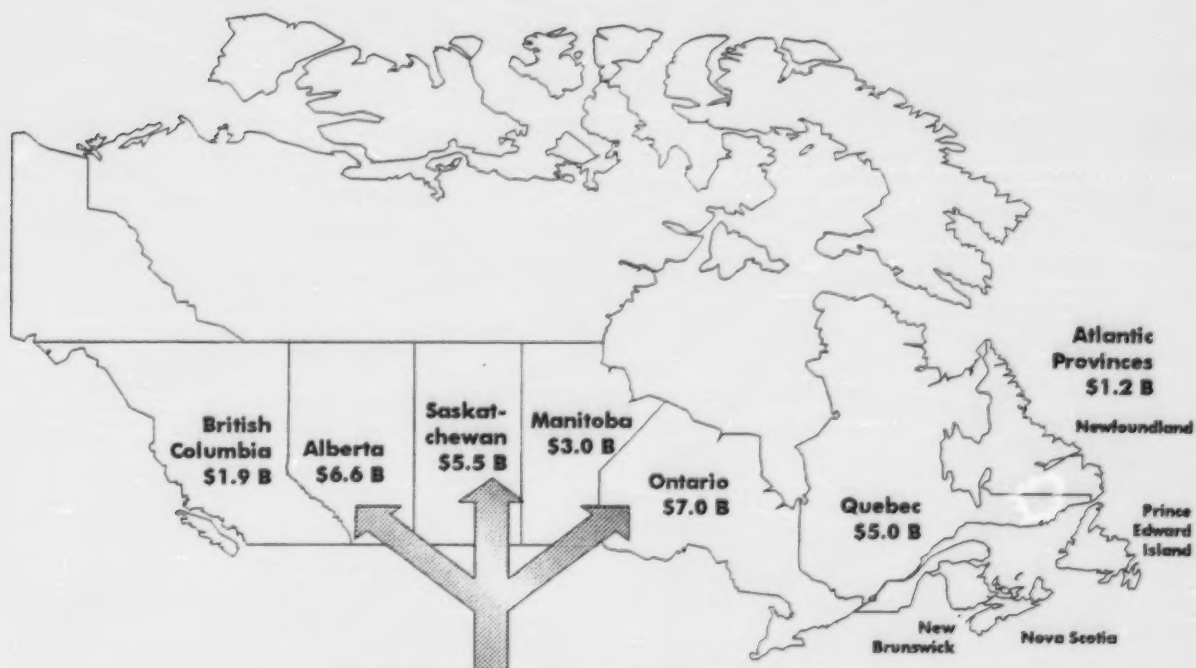
- #1 Ontario (23%)
- #2 Alberta (22%)
- #3 Saskatchewan (18%)

Alberta's Share of Canadian Farm Cash Receipts, 1999

Selected Commodities	\$ Millions		
	Alberta	Canada	% Share
Sugar Beets.....	30	31	97%
Cattle and Calves.....	3,072	6,264	49%
Hay and Clover.....	84	179	47%
Forage and Grass Seed.....	34	81	42%
Barley.....	193	529	36%
Canola.....	612	1,825	34%
Wheat.....	916	3,128	29%
Honey.....	20	74	27%
Dry Peas.....	64	282	23%
Sheep and Lambs.....	13	73	18%
Mustard Seed.....	13	87	15%
Oats.....	28	204	14%
Hogs.....	339	2,398	14%
Dairy Products.....	327	3,923	8%



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Table 2 Farm Cash Receipts by Type, Alberta and Canada, 1998 and 1999

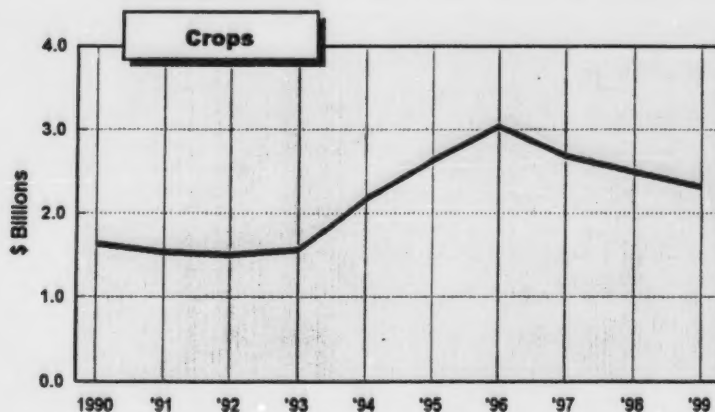
	Alberta				Canada				Alberta as a % of Canada 1999
	1998r	1999p	% of	% of	1998r	1999p	% of		
	\$'000	\$'000	% Chg.		\$'000	\$'000	% Chg.		
Crop Market Receipts									
Cereal Grains.....	1,110,449	1,141,813	2.8	17.4	4,795,211	4,589,061	-4.3	15.1	24.9
Wheat.....	855,143	915,660	7.1	13.9	3,331,917	3,128,092	-6.1	10.3	29.3
Oats.....	41,800	27,594	-34.0	0.4	218,668	203,640	-6.9	0.7	13.6
Barley.....	208,463	192,892	-7.5	2.9	582,988	529,400	-9.2	1.7	36.4
Rye.....	4,649	5,131	10.4	0.1	20,705	20,628	-0.4	0.1	24.9
Corn.....	394	536	36.0	0.0	640,933	707,301	10.4	2.3	0.1
Oilseeds.....	865,113	617,529	-28.6	9.4	3,754,557	2,565,170	-31.7	8.5	24.1
Flaxseed.....	7,493	5,708	-23.8	0.1	254,310	128,213	-49.6	0.4	4.5
Canola.....	857,620	611,821	-28.7	9.3	2,702,737	1,824,719	-32.5	6.0	33.5
Soybeans.....	-	-	-	-	797,510	612,238	-23.2	2.0	-
Special Crops.....	85,277	93,163	9.2	1.4	625,660	780,373	24.7	2.6	11.9
Pulses.....	67,560	77,128	14.2	1.2	471,418	623,003	32.2	2.1	12.4
Lentils.....	2,268	3,846	69.6	0.1	121,073	224,350	85.3	0.7	1.7
Dry Beans.....	8,858	9,275	4.7	0.1	89,880	116,787	29.9	0.4	7.9
Dry Peas.....	56,434	64,007	13.4	1.0	260,465	281,866	8.2	0.9	22.7
Mustard Seed.....	15,022	13,440	-10.5	0.2	87,716	87,047	-0.8	0.3	15.4
Sunflower Seed.....	1,273	1,082	-15.0	0.0	26,105	30,180	15.6	0.1	3.6
Canary Seed.....	1,422	1,513	6.4	0.0	40,421	40,143	-0.7	0.1	3.8
Fruits and Vegetables.....	164,734	169,734	3.0	2.6	2,157,644	2,157,644	0.0	7.1	7.9
Sugar Beets.....	38,402	29,651	-22.8	0.5	39,838	30,527	-23.4	0.1	97.1
Potatoes.....	63,862	77,442	21.3	1.2	613,613	714,787	16.5	2.4	10.8
Vegetables.....	59,242	60,424	2.0	0.9	1,036,104	1,098,473	6.0	3.6	5.5
Apples.....	-	-	-	-	164,835	178,730	8.4	0.6	-
Other Tree Fruits.....	-	-	-	-	60,539	65,576	8.3	0.2	-
Strawberries.....	2,351	1,700	-27.7	0.0	49,711	59,676	20.0	0.2	2.8
Other Berries, Grapes.....	877	517	-41.0	0.0	193,004	242,481	25.6	0.8	0.2
Floriculture and Nursery.....	64,608	68,517	6.1	1.0	1,209,892	1,319,927	9.1	4.4	5.2
Forages.....	107,633	118,028	9.7	1.8	237,342	259,836	9.5	0.9	45.4
Forage and Grass Seed.....	30,757	33,833	10.0	0.5	74,474	80,730	8.4	0.3	41.9
Hay and Clover.....	76,876	84,195	9.5	1.3	162,868	179,106	10.0	0.6	47.0
Miscellaneous Crops.....	77,062	91,373	18.6	1.4	843,214	1,207,853	43.2	4.0	7.6
Tobacco.....	-	-	-	-	354,420	360,961	1.8	1.2	-
Ginseng.....	-	-	-	-	59,168	50,120	-15.3	0.2	-
Maple Products.....	-	-	-	-	137,470	153,890	11.9	0.5	-
Forest Products.....	26,682	29,222	9.5	0.4	181,266	198,523	9.5	0.7	14.7
Christmas Trees.....	84	77	-8.3	0.0	64,151	70,856	10.5	0.2	0.1
Deferments.....	(201,734)	(139,660)	-30.8	-2.1	(924,199)	(550,696)	-40.4	-1.8	25.4
Liquidations.....	252,030	201,734	-20.0	3.1	970,938	924,199	-4.8	3.0	21.8
Total Crops.....	2,493,421	2,316,792	-7.1	35.2	13,773,875	13,242,758	-3.9	43.7	17.5
Livestock and Livestock Products Market Receipts									
Cattle and Calves.....	2,748,076	3,071,500	11.8	46.7	5,721,107	6,263,674	9.5	20.7	49.0
Hogs.....	315,390	338,743	7.4	5.2	2,230,165	2,397,918	7.5	7.9	14.1
Sheep and Lambs.....	12,300	12,782	3.9	0.2	68,452	73,047	6.7	0.2	17.5
Dairy Products.....	311,460	327,063	5.0	5.0	3,844,816	3,923,222	2.0	12.9	8.3
Poultry and Eggs.....	173,440	172,492	-0.5	2.6	2,103,918	2,087,508	-0.8	6.9	8.3
Wool.....	434	391	-9.9	0.0	1,293	1,172	-9.4	0.0	33.4
Honey.....	25,300	20,263	-19.9	0.3	79,760	73,930	-7.3	0.2	27.4
Furs.....	-	-	-	-	41,297	30,500	-26.1	0.1	-
Other Livestock.....	75,155	81,299	8.2	1.2	351,766	379,179	7.8	1.3	21.4
Total Livestock.....	3,661,563	4,024,533	9.9	61.2	14,442,574	15,230,150	5.5	50.2	26.4
Program Payments to Farmers									
NISA Payments (1).....	38,187	65,878	72.5	1.0	268,675	444,918	65.6	1.5	14.8
GRIP Payments (2).....	0	0	-	-	451	137	-69.6	0.0	-
Crop Insurance.....	124,680	74,783	-40.0	1.1	396,895	307,415	-22.5	1.0	24.3
WGSA Payments (3).....	(71)	(9)	-87.3	-0.0	(228)	(31)	-86.4	-0.0	29.0
Tripartite Payments.....	(13)	(17)	30.8	-0.0	(26)	2,388	-9284.6	0.0	-0.7
Prov. Stabilization Payments.....	0	0	-	-	508,360	433,609	-14.7	1.4	-
Dairy Subsidy.....	7,711	6,636	-13.9	0.1	132,113	103,652	-21.5	0.3	6.4
Other Payments.....	67,924	84,683	24.7	1.3	125,736	546,452	334.6	1.8	15.5
Total Payments.....	238,418	231,954	-2.7	3.5	1,431,976	1,838,540	28.4	6.1	12.6
Total Farm Cash Receipts.....	6,393,402	6,573,279	2.8	100.0	29,648,425	30,311,448	2.2	100.0	21.7

Note: Interim and final payments received from the Canadian Wheat Board (wheat and barley) are included in the calendar year in which payments were received by producers.

(1) Net Income Stabilization Account (2) Gross Revenue Insurance Plan (3) Western Grain Stabilization Act

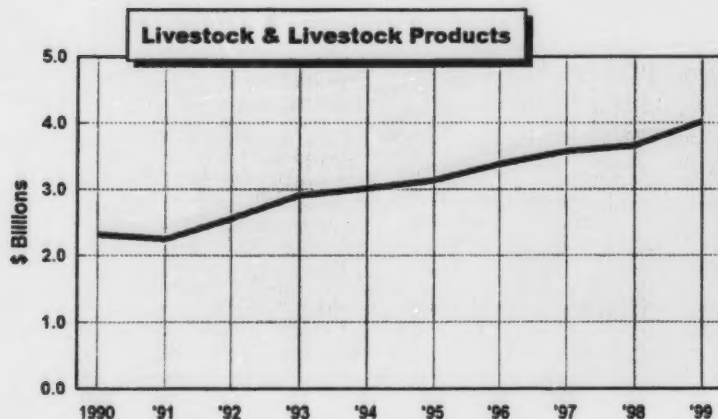
Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Fig. 2 Alberta Farm Cash Receipts by Type, 1990-1999



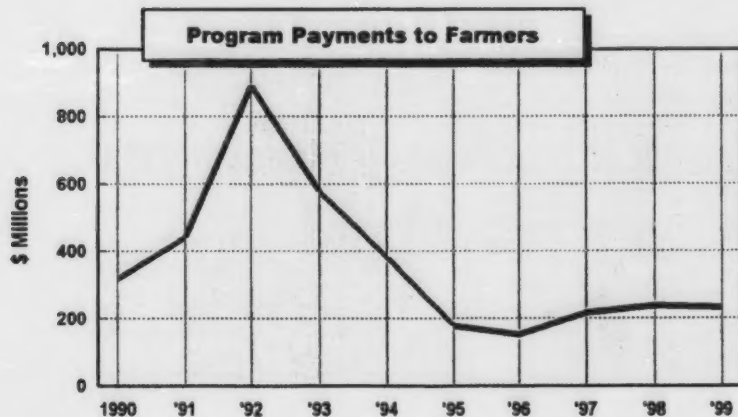
Annual Per Cent Change

1990	-11.8%
1991	-6.3%
1992	-2.2%
1993	4.1%
1994	38.6%
1995	21.5%
1996	15.3%
1997	-11.5%
1998	-7.3%
1999	-7.1%



Annual Per Cent Change

1990	6.6%
1991	-2.0%
1992	13.3%
1993	14.0%
1994	3.6%
1995	3.9%
1996	7.7%
1997	5.7%
1998	2.5%
1999	9.9%



Annual Per Cent Change

1990	-43.2%
1991	38.8%
1992	101.6%
1993	-35.3%
1994	-33.7%
1995	-53.6%
1996	-14.4%
1997	43.4%
1998	9.5%
1999	-2.7%

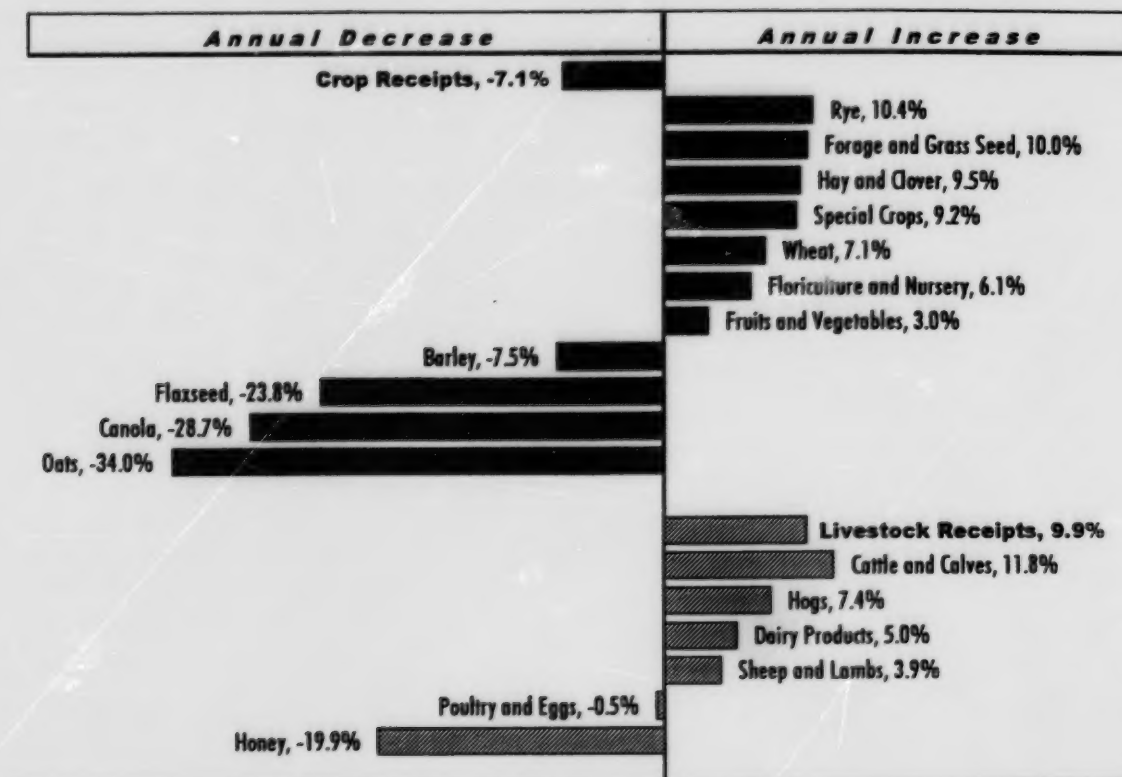
Table 3 Alberta Farm Cash Receipts by Type, 1971-1999

	Crops			Livestock & Products			Program Payments			Total Receipts	
	\$'000	% Chg.	% of Total	\$'000	% Chg.	% of Total	\$'000	% Chg.	% of Total	\$'000	% Chg.
1971.....	334,912		41.2	462,883		56.9	13,782		1.9	813,577	
1972.....	377,546	12.7	39.1	550,969	19.0	57.1	36,142	129.0	3.7	964,657	18.6
1973.....	449,350	19.0	36.1	755,510	37.1	60.7	39,610	9.6	3.2	1,244,470	29.0
1974.....	839,224	86.8	48.0	830,030	9.9	47.5	78,717	98.7	4.5	1,747,971	40.5
1975.....	969,083	15.5	51.0	890,635	7.3	46.8	42,024	-46.6	2.2	1,901,742	8.8
1976.....	886,006	-8.6	46.7	927,546	4.1	48.9	83,178	97.9	4.4	1,896,730	-0.3
1977.....	888,600	0.3	45.3	1,000,348	7.8	51.0	73,767	-11.3	3.8	1,962,715	3.5
1978.....	905,171	1.9	39.5	1,297,263	29.7	56.7	86,543	17.3	3.8	2,288,979	16.6
1979.....	1,150,301	27.1	40.5	1,586,793	22.3	55.8	105,865	22.3	3.7	2,842,961	24.2
1980.....	1,429,786	24.3	45.5	1,646,450	3.8	52.4	68,215	-35.6	2.2	3,144,451	10.6
1981.....	2,049,703	43.4	53.2	1,701,080	3.3	44.2	99,163	45.4	2.6	3,849,946	22.4
1982.....	1,870,078	-8.8	49.1	1,680,777	-1.2	44.1	261,238	163.4	6.9	3,812,093	-1.0
1983.....	1,932,142	3.3	51.5	1,678,258	-0.1	44.7	140,896	-46.1	3.8	3,751,296	-1.6
1984.....	1,861,683	-3.6	46.7	1,794,500	6.9	45.0	331,643	135.4	8.3	3,987,826	6.3
1985.....	1,550,628	-16.7	40.4	1,811,291	0.9	47.2	475,657	43.4	12.4	3,837,576	-3.8
1986r.....	1,333,459	-14.0	35.2	1,789,095	-1.2	47.3	661,085	39.0	17.5	3,783,639	-1.4
1987r.....	1,313,560	-1.5	32.5	1,919,707	7.3	47.5	805,522	21.8	19.9	4,038,789	6.7
1988r.....	1,637,745	24.7	36.7	2,081,308	8.4	46.6	748,287	-7.1	16.8	4,467,340	10.6
1989r.....	1,860,196	13.6	40.4	2,179,241	4.7	47.4	560,032	-25.2	12.2	4,599,469	3.0
1990r.....	1,641,397	-11.8	38.3	2,323,575	6.6	54.2	318,119	-43.2	7.4	4,283,091	-6.9
1991r.....	1,537,300	-6.3	36.3	2,257,436	-2.8	53.3	441,528	38.8	10.4	4,236,264	-1.1
1992r.....	1,503,855	-2.2	30.4	2,557,853	13.3	51.7	890,028	101.6	18.0	4,951,736	16.9
1993r.....	1,565,580	4.1	31.0	2,914,894	14.0	57.6	576,163	-35.3	11.4	5,056,637	2.1
1994r.....	2,169,482	38.6	38.9	3,018,469	3.6	54.2	382,209	-33.7	6.9	5,570,160	10.2
1995r.....	2,635,805	21.5	44.3	3,135,990	3.9	52.7	177,378	-53.6	3.0	5,949,173	6.8
1996r.....	3,037,831	15.3	46.3	3,377,658	7.7	51.4	151,886	-14.4	2.3	6,567,375	10.4
1997r.....	2,689,510	-11.5	41.5	3,571,702	5.7	55.1	217,729	43.4	3.4	6,478,941	-1.3
1998r.....	2,493,421	-7.3	39.0	3,661,563	2.5	57.3	238,418	9.5	3.7	6,393,402	-1.3
1999p.....	2,316,792	-7.1	35.2	4,024,533	9.9	61.2	231,934	-2.7	3.5	6,573,279	2.8

Note: Livestock and Products refers to livestock and livestock products.

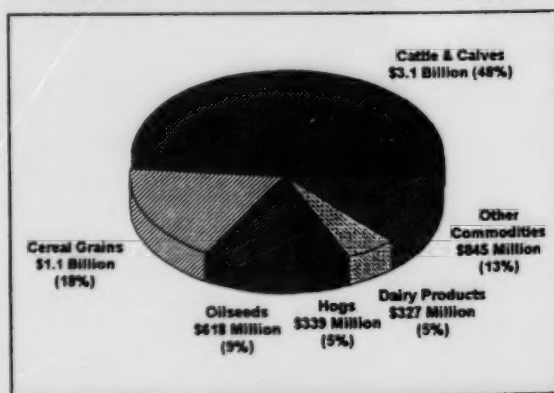
Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Fig. 3 Alberta Farm Cash Receipts for Selected Commodities, Annual Per Cent Change, 1999/1998



Following two consecutive annual decreases, Alberta farmers generated a record \$6.6 billion in farm revenue in 1999, up 3% over last year. The improved performance was mostly attributable to a 10% increase in livestock receipts which rose to a high of \$4.0 billion. Reflecting both higher marketings and prices, cattle and calves sales (\$3.0 billion) increased 12%. Hog receipts were also higher, up 7% to \$338 million. While the province's livestock sector continued to show strength in 1999, the crops sector weakened. For the third year in a row, crop revenue fell due to continued weak prices, reduced marketings and abundant world grain and oilseed supplies. In 1999, the average prices producers received for major grains and oilseeds were below the previous ten-year average. At \$916 million, wheat sales (Alberta's largest revenue crop) rose 7% following a 22% decline in 1998. However, the level of wheat sales in 1999 was still below the record set in 1996 at \$1.2 billion. Barley sales were down 8% to \$193 million. The most significant decline in the crops sector was reported for canola, with sales falling 29% to \$612 million, the lowest level since 1993.

Distribution of 1999 Farm Market Receipts (1)



(1) Farm market receipts include sales of crops and livestock excluding program payments to farmers.

Table 4 Alberta Farm Cash Receipts From the Sale of Crops, 1971-1999

	(1) Farm Market Cash Receipts	Wheat	Oats	Barley	CWB Advances/ Deferments (Net)	Rye	Flaxseed	Canola	Sugar Beets	Dry Peas
	\$'000									
1971.....	334,912	147,421	8,490	85,528	0	2,375	12,463	45,692	10,584	949
1972.....	377,546	187,567	7,445	68,350	0	3,311	10,546	64,451	12,162	1,292
1973.....	449,350	226,280	11,088	117,191	(69,322)	8,766	17,896	76,308	13,360	1,607
1974.....	839,224	419,390	17,477	215,863	(64,349)	11,338	22,692	130,023	30,079	4,140
1975.....	969,083	512,290	24,985	259,868	(20,214)	11,664	11,625	100,945	20,094	3,312
1976.....	886,006	426,353	27,210	231,714	25,662	8,754	12,390	80,545	20,810	1,063
1977.....	888,600	360,619	24,124	211,682	17,858	6,820	9,714	183,198	17,744	918
1978.....	905,171	311,383	17,457	205,634	37,382	6,957	9,123	236,563	17,180	1,000
1979.....	1,150,301	446,763	14,342	242,749	(5,593)	12,545	17,837	329,141	21,163	1,081
1980.....	1,429,786	656,240	27,019	311,136	(64,961)	30,485	29,118	305,197	44,821	1,576
1981.....	2,049,703	1,150,839	24,937	463,893	(56,840)	29,897	15,951	278,732	38,284	1,785
1982.....	1,870,078	957,543	24,409	460,568	31,656	19,616	14,332	246,140	18,729	3,332
1983.....	1,932,142	1,000,575	23,111	424,508	(8,064)	15,988	16,357	330,253	27,006	3,160
1984.....	1,861,683	1,002,511	24,998	303,101	(23,094)	13,951	7,040	399,484	17,820	2,665
1985.....	1,550,628	698,803	17,842	269,566	78,139	4,737	7,279	342,626	3,337	2,039
1986r...	1,333,459	517,250	17,052	318,687	24,271	4,645	5,534	267,031	9,001	2,382
1987r...	1,313,560	559,646	19,466	232,205	(2,919)	4,743	6,012	313,316	12,680	3,944
1988r...	1,637,745	686,440	65,551	256,552	(58,911)	7,720	7,217	437,847	19,380	9,595
1989r...	1,860,196	690,843	89,531	376,767	31,153	5,921	6,448	419,740	23,342	12,476
1990r...	1,641,397	713,863	37,577	272,197	16,899	5,442	8,349	336,232	26,586	10,818
1991r...	1,537,300	685,230	22,770	225,109	33,595	4,688	5,128	320,224	20,877	16,933
1992r...	1,503,855	604,720	39,803	192,114	(5,028)	4,628	5,912	388,758	17,277	21,986
1993r...	1,565,580	593,161	50,206	189,381	(23,328)	5,087	9,312	414,540	21,965	29,910
1994r...	2,169,482	840,653	45,835	265,713	(137,285)	6,318	9,186	773,332	26,627	50,332
1995r...	2,635,805	1,064,743	70,856	332,953	4,869	7,305	8,538	709,701	32,401	60,518
1996r...	3,037,831	1,243,412	88,320	479,182	(46,217)	7,252	9,095	817,862	27,008	59,195
1997r...	2,689,510	1,046,084	57,494	325,644	32,611	6,699	7,520	757,283	30,062	59,533
1998r...	2,493,421	855,143	41,800	208,463	50,596	4,649	7,493	857,620	38,402	56,434
1999p...	2,316,792	915,660	27,594	192,892	62,074	5,131	5,708	611,821	29,651	64,007

(1) Includes crop market receipts only (does not include program payments to farmers).

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 4 Alberta Farm Cash Receipts From the Sale of Crops - Cont'd

	Mustard Seed	Sunflower Seed	Lentils	Forage & Grass Seed	Hay & Clover	Potatoes	Vegetables	Floriculture & Nursery	(2) Other Crops
	\$'000								
1971.....	954	261	0	3,593	39	7,714	2,867	3,156	2,826
1972.....	633	141	0	5,316	6	7,479	3,224	2,461	3,162
1973.....	3,930	108	0	14,937	47	14,709	4,046	4,597	3,802
1974.....	11,559	0	0	6,649	108	15,829	5,671	6,325	6,430
1975.....	4,497	0	0	4,022	61	14,415	6,143	7,920	7,456
1976.....	2,274	0	0	9,494	51	13,469	7,533	11,674	7,010
1977.....	3,468	0	0	9,845	0	14,044	8,226	13,419	6,921
1978.....	4,731	0	0	11,739	0	12,836	8,740	17,247	7,199
1979.....	2,424	0	0	13,000	0	14,970	11,072	19,762	9,045
1980.....	5,235	0	0	15,445	0	17,939	14,168	23,888	12,480
1981.....	6,885	0	0	16,162	3,228	22,341	15,732	23,106	14,771
1982.....	6,630	0	0	8,225	2,900	21,386	15,168	25,724	13,720
1983.....	7,246	0	0	10,322	1,257	21,792	19,556	24,777	14,298
1984.....	5,007	0	0	11,822	6,353	25,103	23,552	27,470	13,900
1985.....	4,488	0	0	14,182	11,293	27,175	25,943	31,840	11,339
1986r...	7,650	0	1,954	30,486	12,345	39,156	29,301	32,044	14,670
1987r...	6,151	1,045	1,641	18,269	8,031	34,324	30,846	43,729	20,431
1988r...	5,649	776	1,682	23,838	12,390	41,471	35,018	54,432	31,098
1989r...	7,431	701	800	14,400	18,709	43,135	37,294	53,639	27,866
1990r...	6,622	463	852	15,709	16,802	40,141	45,412	62,984	24,449
1991r...	6,181	603	1,259	13,497	18,473	39,103	36,254	56,139	31,237
1992r...	6,763	796	2,619	23,186	26,409	38,892	38,767	66,295	29,958
1993r...	6,180	1,089	2,270	24,959	42,505	52,960	45,172	61,511	38,700
1994r...	8,225	878	3,387	22,256	47,372	44,981	47,436	58,129	56,107
1995r...	14,227	1,762	6,547	18,716	65,316	57,362	51,442	61,188	67,361
1996r...	16,628	1,535	4,610	30,407	60,338	61,515	53,401	54,713	67,017
1997r...	14,897	1,046	2,020	29,860	78,822	52,140	53,782	68,349	21,674
1998r...	15,022	1,273	2,268	30,757	76,876	63,862	59,242	64,608	43,253
1999p..	13,440	1,082	3,846	33,833	84,195	77,442	60,424	68,517	59,475

(2) Other crops include strawberries, other berries/grapes, corn, forest products and miscellaneous crops.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 5 Alberta Farm Cash Receipts From the Sale of Livestock, 1971-1999

	(1) Farm Market Cash Receipts	Cattle & Calves	Hogs	Sheep & Lambs	Dairy Products	Hens, Chickens & Turkeys	Eggs & Hatcheries	Honey	Other Livestock & Products
	\$'000								
1971.....	462,883	290,252	78,623	1,728	46,843	22,092	13,910	4,307	5,128
1972.....	550,969	346,611	101,140	2,588	49,033	24,471	14,887	6,017	6,222
1973.....	755,510	471,962	145,075	3,003	57,605	39,150	20,948	9,621	8,146
1974.....	830,030	540,437	131,855	3,369	71,615	40,378	25,457	8,888	8,031
1975.....	890,635	591,297	131,372	3,931	87,903	35,812	26,343	5,955	8,022
1976.....	927,546	637,939	111,258	4,244	92,663	40,360	25,277	7,579	8,226
1977.....	1,000,348	695,977	113,493	2,960	99,390	44,083	25,930	9,469	9,046
1978.....	1,297,265	940,822	149,104	2,821	106,729	48,601	26,911	10,485	11,792
1979.....	1,586,795	1,178,929	162,123	3,225	123,108	61,227	31,371	13,027	13,785
1980.....	1,646,450	1,199,560	166,337	4,142	148,282	64,635	36,195	13,483	13,816
1981.....	1,701,080	1,180,059	189,624	3,962	173,992	78,299	43,109	15,161	16,874
1982.....	1,680,777	1,106,348	222,491	4,806	196,934	81,012	39,552	13,074	16,560
1983.....	1,678,258	1,125,035	202,241	5,231	196,769	77,662	41,262	13,742	16,316
1984.....	1,794,500	1,163,579	244,127	7,708	213,969	91,868	42,033	14,353	16,863
1985.....	1,811,291	1,181,405	248,331	6,800	215,637	88,570	41,399	11,906	17,243
1986r...	1,789,095	1,116,853	279,377	7,854	223,658	83,754	42,091	12,982	22,526
1987r...	1,919,707	1,224,926	287,590	9,247	221,104	92,143	40,924	12,502	31,271
1988r...	2,081,308	1,400,573	259,397	7,978	238,186	87,729	42,813	10,139	34,493
1989r...	2,179,241	1,474,780	265,031	8,695	246,982	96,267	43,717	9,001	34,768
1990r...	2,323,575	1,573,696	298,895	8,081	251,207	104,035	41,968	11,666	34,027
1991r...	2,257,436	1,537,410	276,091	7,386	250,093	99,609	43,659	13,001	30,187
1992r...	2,557,853	1,815,960	276,903	13,245	248,537	97,595	46,001	13,352	46,260
1993r...	2,914,894	2,111,547	322,885	14,513	244,663	103,708	47,481	15,609	54,488
1994r...	3,018,469	2,191,874	315,333	13,100	257,843	112,680	50,373	19,689	57,577
1995r...	3,135,990	2,222,145	381,812	14,394	265,643	112,404	52,841	19,693	67,058
1996r...	3,377,658	2,347,991	444,585	17,145	290,753	124,832	55,173	22,830	74,349
1997r...	3,571,702	2,536,227	438,374	15,281	316,826	128,976	38,393	22,070	75,555
1998r...	3,661,563	2,748,076	315,390	12,300	311,460	136,034	37,406	25,308	75,589
1999p...	4,024,533	3,071,500	338,743	12,782	327,063	135,025	37,467	20,263	81,690

(1) Includes market receipts for livestock and livestock products (does not include program payments to farmers).

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

**IMPORTANT NOTE CONCERNING THE FOLLOWING
PAGES**

**THE PAGES WHICH FOLLOW HAVE BEEN FILMED
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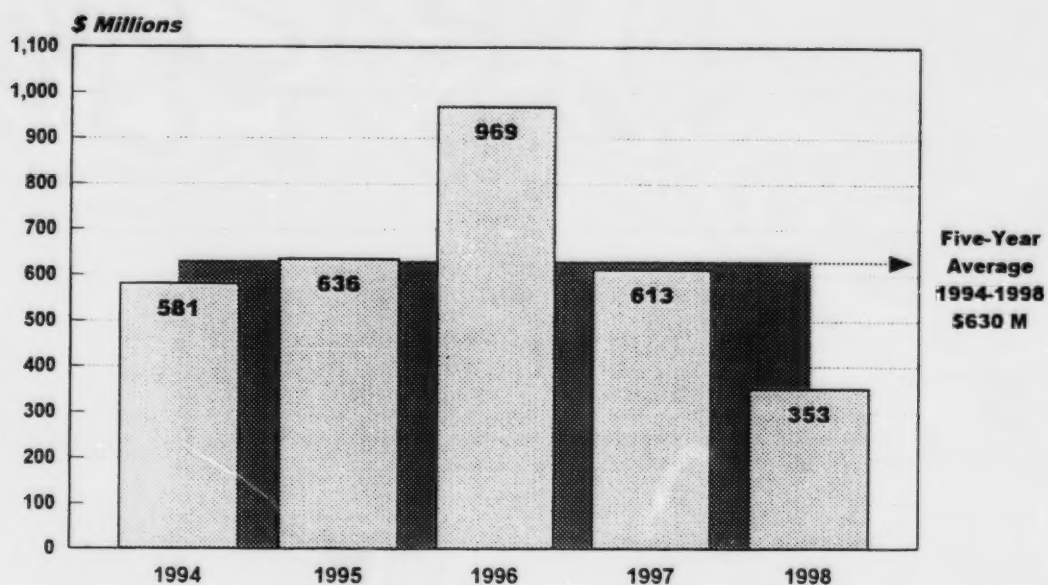
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**REMARQUE IMPORTANTE CONCERNANT LES
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**LES PAGES SUIVANTES ONT ÉTÉ REPRODUITES EN
DOUBLE AFIN D'AMÉLIORER LA QUALITÉ DE
REPRODUCTION**

**LES UTILISATEURS DOIVENT CONSULTER TOUTES
LES PAGES REPRODUITES SUR LA FICHE AFIN
D'OBTENIR LA LECTURE DU TEXTE INTÉGRAL**

Fig. 4 Alberta Realized Net Farm Income, 1994-1998

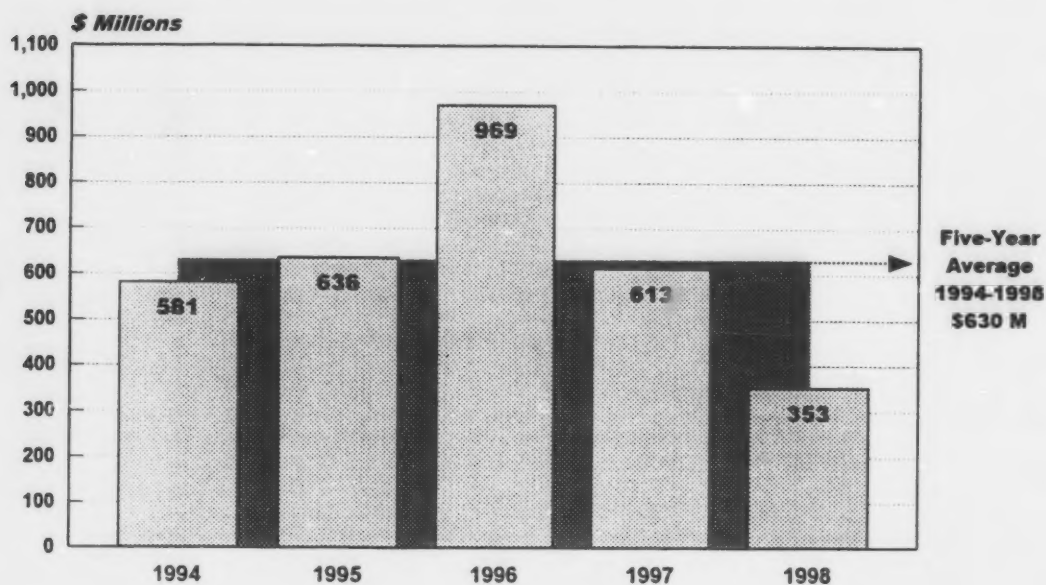


**Realized Net Farm Income (\$ Millions),
Canada and Selected Provinces, 1997 and 1998**

	1997	1998	% Change
British Columbia	161	181	12.3%
Quebec	753	785	4.2%
Ontario	489	417	-14.7%
Manitoba	432	286	-33.8%
Alberta	613	353	-42.5%
Saskatchewan	948	531	-43.9%
CANADA	3,455	2,671	-22.7%

See Appendix I for definitions of net farm income estimates.

Fig. 4 Alberta Realized Net Farm Income, 1994-1998



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See Appendix I for definitions of net farm income estimates.

Table 6 Alberta Net Income From Farming Operations, 1971-1998

	1	2	3	4	5	6	7	8
	Total Farm Cash Receipts	Operating Expenses After Rebates	(1-2) Net Cash Income	Income- In-Kind	Depreciation Charges	(3+4-5) Realized Net Income	Value of Inventory Change	(6+7) Total Net Farm Income
	\$'000							
1971.....	813,577	501,724	311,853	16,122	122,192	205,783	(1,749)	204,034
1972.....	964,657	574,599	390,058	17,348	129,528	277,878	17,530	295,408
1973.....	1,244,470	723,777	520,693	20,754	144,529	396,918	202,476	599,394
1974.....	1,747,971	929,068	818,903	18,303	188,921	648,285	(8,698)	639,587
1975.....	1,901,742	1,053,784	847,958	16,844	254,998	609,804	98,786	708,590
1976.....	1,896,730	1,207,035	689,695	20,614	312,899	397,410	97,009	494,419
1977.....	1,962,715	1,280,977	681,738	20,348	361,430	340,656	(75,028)	265,628
1978.....	2,288,979	1,462,603	826,376	24,091	416,480	433,987	101,002	534,989
1979.....	2,842,961	1,816,670	1,026,291	27,762	507,030	547,023	63,486	610,509
1980.....	3,144,451	2,123,364	1,021,087	29,850	599,711	451,226	153,938	605,164
1981.....	3,849,946	2,685,203	1,164,743	23,404	671,675	516,472	113,451	629,923
1982.....	3,812,093	2,754,889	1,057,204	21,124	721,112	357,216	(54,749)	302,467
1983.....	3,751,296	2,734,203	1,017,093	20,090	725,800	311,383	(190,906)	120,477
1984.....	3,987,826	2,999,462	988,364	19,823	709,456	298,731	(329,240)	(30,509)
1985.....	3,837,576	3,028,284	809,292	18,896	705,522	122,666	(20,292)	102,374
1986r....	3,783,639	2,981,260	802,379	15,901	706,409	111,871	471,085	582,956
1987r....	4,038,789	3,000,157	1,038,632	13,685	686,455	365,862	23,555	389,417
1988r....	4,467,340	3,107,958	1,359,382	13,229	686,497	686,114	85,899	772,013
1989r....	4,599,469	3,421,258	1,178,211	13,130	716,248	475,093	99,799	574,892
1990r....	4,283,091	3,407,190	875,901	13,139	745,388	143,652	202,391	346,043
1991r....	4,236,264	3,533,423	702,841	12,325	726,570	(11,404)	164,210	152,806
1992r....	4,951,736	3,626,934	1,324,802	12,840	713,255	624,387	(160,120)	464,267
1993r....	5,056,637	3,969,699	1,086,938	14,953	725,976	375,915	601,269	977,184
1994r....	5,570,160	4,240,294	1,329,866	15,547	764,640	580,773	103,098	683,871
1995r....	5,949,173	4,519,316	1,429,857	15,151	808,979	636,029	393,327	1,029,356
1996r....	6,567,375	4,762,200	1,805,175	15,453	851,207	969,421	(35,863)	933,558
1997r....	6,478,941	4,985,142	1,493,799	15,932	896,817	612,914	(160,932)	451,982
1998r....	6,393,402	5,110,919	1,282,483	15,397	945,325	352,555	(36,819)	315,736

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 7 Current Value of Alberta Farm Capital and Value Per Acre of Farm Land and Buildings, 1971-1998

	Livestock & Poultry	Land & Buildings	Implements & Machinery	Total Farm Capital	Value of Farm Land & Buildings
	\$'000				\$/acre
1971.....	803,855	3,530,252	867,446	5,201,553	71
1972.....	1,016,172	4,143,591	905,851	6,065,614	84
1973.....	1,380,491	5,181,261	986,590	7,548,342	104
1974.....	1,366,308	6,975,770	1,275,851	9,617,929	140
1975.....	1,024,330	8,957,880	1,726,808	11,709,018	180
1976.....	1,125,454	10,627,528	2,110,053	13,863,035	213
1977.....	1,099,894	12,523,091	2,430,618	16,053,603	251
1978.....	1,710,604	14,942,972	2,791,088	19,444,664	299
1979.....	2,478,357	21,172,490	3,297,240	26,948,087	424
1980.....	2,551,751	27,137,589	3,842,797	33,532,137	544
1981.....	2,531,870	29,961,159	4,362,215	36,855,244	600
1982.....	2,558,146	29,682,516	4,846,335	37,086,997	592
1983.....	2,560,398	27,368,393	5,046,965	34,975,756	543
1984.....	2,589,885	24,966,230	5,079,298	32,635,413	493
1985.....	2,333,295	23,019,800	5,208,597	30,561,692	453
1986r.....	2,375,837	20,773,520	5,382,284	28,531,641	407
1987r.....	2,796,853	19,744,120	5,409,712	27,950,685	386
1988r.....	3,048,758	19,159,142	5,523,052	27,730,952	374
1989r.....	3,236,197	21,091,994	5,790,087	30,118,278	411
1990r.....	3,351,948	22,169,169	6,124,730	31,645,847	432
1991r.....	3,499,557	21,291,475	6,079,438	30,870,470	414
1992r.....	3,394,565	20,798,399	5,982,777	30,175,741	405
1993r.....	4,087,167	21,147,301	6,209,895	31,444,363	413
1994r.....	4,637,627	23,017,810	6,640,116	34,295,553	450
1995r.....	4,191,096	26,302,921	7,109,304	37,603,321	515
1996r.....	3,584,997	28,696,985	7,458,676	39,740,658	553
1997r.....	4,077,564	30,395,524	7,818,472	42,291,561	573
1998r.....	4,135,538	32,522,603	8,118,585	44,776,727	602

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 8 Alberta Farm Operating Expenses and Depreciation, 1971-1998

	Property Taxes	Total Farm Rent	Total Wages, Room & Board	Net Interest Payments	Interest Rebates	Net Heating Fuel	Heating Fuel Rebates	Machine Repairs
	\$'000							
1971.....	20,936	31,398	39,521	57,514	0	9,798	0	72,356
1972.....	23,196	34,478	41,811	70,065	0	10,080	0	84,371
1973.....	24,507	56,699	53,098	75,349	0	10,633	0	107,245
1974.....	21,448	56,497	64,985	117,257	0	11,646	0	136,637
1975.....	26,895	67,049	77,991	129,221	0	14,134	0	148,782
1976.....	31,318	75,224	81,670	159,442	0	16,396	0	156,722
1977.....	34,165	78,447	89,343	164,609	0	19,103	0	158,844
1978.....	38,471	100,190	97,410	208,174	0	22,106	0	168,257
1979.....	40,756	123,530	105,486	307,325	0	24,501	0	177,825
1980.....	47,931	165,064	129,336	362,733	0	29,570	0	217,929
1981.....	56,118	169,584	164,534	545,170	12,543	28,138	280	263,454
1982.....	65,646	169,337	202,897	509,637	22,775	33,576	680	260,357
1983.....	62,915	182,615	214,723	391,873	56,121	32,237	2,328	279,585
1984.....	65,623	197,852	224,373	426,780	48,933	37,579	3,045	268,338
1985.....	66,630	183,014	255,028	439,334	38,293	41,480	3,668	290,743
1986r.....	68,774	182,453	270,153	420,316	24,145	37,632	5,412	331,884
1987r.....	70,149	154,113	297,263	437,030	16,260	28,753	2,743	312,081
1988r.....	73,023	178,018	279,957	395,963	12,532	23,547	3,975	312,724
1989r.....	77,731	193,581	299,212	389,571	10,322	26,940	2,813	349,523
1990r.....	83,221	193,583	311,033	397,129	9,954	29,520	2,294	362,680
1991r.....	86,581	191,491	320,431	486,373	9,378	31,561	2,600	362,209
1992r.....	89,763	200,742	330,312	431,422	9,136	32,044	300	367,851
1993r.....	92,579	223,028	350,243	421,382	8,907	37,215	0	388,268
1994r.....	97,347	230,911	385,411	451,622	9,308	43,312	0	419,988
1995r.....	101,677	245,485	397,238	462,951	7,150	40,956	0	424,188
1996r.....	101,840	273,794	420,886	412,111	8,108	44,150	0	435,147
1997r.....	104,985	276,068	446,175	407,148	5,717	42,922	0	431,046
1998r.....	106,035	282,015	441,713	455,812	4,956	42,965	0	443,977

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 8 Alberta Farm Operating Expenses and Depreciation - Cont'd

	Net Machinery Fuel	Machinery Fuel Rebates	Net Fertilizer Purchases	Fertilizer Rebates	(1) Other Net Crop Expenses	Net Commercial Feed Purchases	Commercial Feed Rebates	Livestock & Poultry Purchases
	\$'000							
1971.....	58,213	0	29,966	0	25,289	50,718	0	20,311
1972.....	60,870	0	33,330	0	28,684	57,142	0	32,304
1973.....	68,242	0	42,584	0	35,981	91,488	0	38,565
1974.....	81,066	0	63,663	0	55,696	131,322	0	46,183
1975.....	89,001	0	99,654	0	72,682	129,702	0	40,923
1976.....	105,899	809	107,156	0	78,978	143,334	0	64,224
1977.....	118,522	8,039	114,696	0	84,015	159,319	0	77,480
1978.....	126,876	8,416	142,352	0	106,392	146,208	0	111,959
1979.....	151,236	6,993	179,205	0	128,261	187,214	0	163,982
1980.....	182,760	5,439	202,906	0	147,582	224,392	0	155,696
1981.....	259,996	4,631	280,275	0	185,805	274,901	0	136,933
1982.....	276,086	5,191	288,387	0	209,135	271,746	0	133,906
1983.....	294,856	4,423	315,028	0	251,396	244,177	0	127,903
1984.....	299,678	4,145	336,070	0	278,945	326,086	0	158,047
1985.....	303,448	9,330	319,018	16,525	292,574	317,329	13,238	138,470
1986r.....	214,135	16,166	291,948	19,200	314,327	254,424	74,800	177,158
1987r.....	190,802	7,836	258,167	16,420	285,913	201,336	71,530	309,086
1988r.....	197,379	7,130	266,985	16,146	300,280	286,467	47,262	306,019
1989r.....	210,055	4,758	290,624	18,143	349,000	351,437	47,614	343,527
1990r.....	275,213	3,822	274,108	19,666	314,566	304,741	38,752	311,343
1991r.....	260,285	3,037	262,887	20,575	310,371	284,925	33,358	309,971
1992r.....	244,926	283	302,421	6,229	299,709	303,025	43,658	360,674
1993r.....	272,427	0	331,613	0	339,555	343,668	43,254	487,641
1994r.....	307,670	0	404,855	0	399,072	448,265	35,452	430,621
1995r.....	323,419	0	466,420	0	446,862	614,783	8,750	367,813
1996r.....	346,058	0	513,062	0	496,643	710,828	0	359,350
1997r.....	353,256	0	477,150	0	521,917	773,305	0	539,261
1998r.....	310,512	0	486,693	0	536,582	742,373	0	655,608

(1) Other Net Crop Expenses include pesticides, commercial seed, irrigation, crop and hail insurance and twine/wire/containers.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 8 Alberta Farm Operating Expenses and Depreciation - Cont'd

	Repairs to Buildings & Fences	Electricity & Telephone	(2) Misc.	Operating Expenses After Rebates	Deprecia- tion on Buildings	Deprecia- tion on Machinery	Total Depreciation	Total Expenses After Rebates Including Depreciation
	\$'000							
1971.....	20,731	21,423	43,550	501,724	17,928	104,264	122,192	623,916
1972.....	25,891	22,899	49,478	574,599	20,712	108,816	129,528	704,127
1973.....	33,207	24,940	61,239	723,777	25,648	118,881	144,529	868,306
1974.....	42,633	26,632	73,403	929,068	33,788	155,133	188,921	1,117,989
1975.....	47,917	29,623	80,210	1,053,784	42,959	212,039	254,998	1,308,782
1976.....	54,395	33,995	98,282	1,207,035	50,142	262,757	312,899	1,519,934
1977.....	47,494	38,736	96,204	1,280,977	58,090	303,340	361,430	1,642,407
1978.....	48,874	42,323	103,011	1,462,603	67,739	348,741	416,480	1,879,083
1979.....	54,368	44,324	128,657	1,816,670	94,329	412,701	507,030	2,323,700
1980.....	58,424	50,540	148,501	2,123,364	118,099	481,612	599,711	2,723,075
1981.....	71,736	54,648	193,911	2,685,203	128,101	543,574	671,675	3,356,878
1982.....	71,484	58,835	203,860	2,754,889	128,789	592,323	721,112	3,476,001
1983.....	64,274	62,897	209,724	2,734,203	121,051	604,749	725,800	3,460,003
1984.....	64,730	71,555	243,806	2,999,462	111,688	597,768	709,456	3,708,918
1985.....	62,325	81,633	237,258	3,028,284	104,671	600,851	705,522	3,733,806
1986r.....	77,225	83,544	257,287	2,981,260	95,252	611,157	706,409	3,687,669
1987r.....	98,813	83,064	273,587	3,000,157	92,528	593,927	686,455	3,686,612
1988r.....	97,155	86,472	303,969	3,107,958	91,662	594,835	686,497	3,794,455
1989r.....	93,286	92,178	354,593	3,421,258	102,907	613,341	716,248	4,137,506
1990r.....	101,047	97,161	351,845	3,407,190	110,192	635,196	745,388	4,152,578
1991r.....	102,381	103,834	420,123	3,533,423	107,711	618,859	726,570	4,259,993
1992r.....	105,285	110,314	448,446	3,626,934	103,490	609,765	713,255	4,340,189
1993r.....	115,976	119,670	446,434	3,969,699	103,495	622,481	725,976	4,695,675
1994r.....	127,565	128,366	365,289	4,240,294	113,442	651,198	764,640	5,004,934
1995r.....	124,698	140,568	362,258	4,519,316	130,539	678,440	808,979	5,328,295
1996r.....	136,568	149,594	362,169	4,762,200	143,410	707,797	851,207	5,613,407
1997r.....	138,419	154,606	318,884	4,985,142	151,898	744,919	896,817	5,881,959
1998r.....	135,374	145,017	326,243	5,110,919	156,718	788,607	945,325	6,056,244

(2) Miscellaneous expenses include business insurance, custom work, stabilization premiums, artificial insemination and veterinary fees, legal and accounting fees and other expenses.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

Table 9 Alberta Farm Debt Outstanding by Lender at December 31, 1971-1998

	Chartered Banks	(1) Federal Gov't Agencies	(2) Provincial Gov't Agencies	Credit Unions	Other (3)	Advance Payment Programs	Total Debt at Year End
	\$'000						
1971.....	353,000	334,001	57,955	27,321	160,321	14,487	947,085
1972.....	420,000	334,650	78,257	38,010	167,636	4,127	1,042,680
1973.....	563,000	354,902	149,748	50,385	171,046	2,253	1,291,334
1974.....	669,000	407,606	211,230	51,593	197,789	9,797	1,547,015
1975.....	741,000	461,544	239,568	77,420	244,870	11,017	1,775,419
1976.....	892,000	496,391	275,856	98,640	266,831	17,590	2,047,308
1977.....	971,000	531,145	299,875	135,177	296,271	15,988	2,249,456
1978.....	1,215,000	560,590	337,314	155,348	334,821	16,050	2,619,123
1979.....	1,490,000	603,692	406,967	204,830	355,300	6,633	3,067,422
1980.....	1,597,000	631,488	592,841	239,031	368,420	13,352	3,442,132
1981.....	1,728,000	676,816	863,637	247,693	547,281	41,712	4,105,139
1982.....	1,831,000	714,317	1,126,451	278,568	604,132	49,663	4,604,131
1983.....	1,982,000	850,768	1,280,262	196,894	691,725	39,253	5,040,902
1984.....	2,009,000	854,663	1,443,244	200,747	647,828	19,556	5,175,038
1985.....	2,085,000	835,701	1,568,392	200,747	616,483	46,964	5,353,287
1986r...	2,281,000	754,509	1,692,152	187,000	540,237	92,748	5,547,646
1987r...	2,353,990	663,140	1,698,125	181,000	513,730	81,298	5,491,283
1988r...	2,385,487	568,601	1,735,406	146,000	547,821	85,954	5,469,269
1989r...	2,611,875	487,126	1,899,786	176,000	547,821	21,397	5,744,005
1990r...	2,669,062	428,274	1,930,615	216,750	615,308	318,985	6,178,994
1991r...	2,868,250	409,507	1,994,467	222,000	615,308	291,912	6,401,444
1992r...	2,787,663	386,705	1,971,709	228,500	594,548	257,810	6,226,935
1993r...	2,957,253	370,798	1,974,000	236,000	576,623	244,935	6,359,609
1994r...	3,078,729	384,142	1,963,940	249,750	578,059	144,294	6,398,914
1995r...	3,158,273	449,450	1,950,592	278,750	630,833	145,580	6,613,478
1996r...	3,226,202	550,539	1,810,124	311,500	630,833	175,356	6,704,554
1997r...	3,716,854	702,042	1,741,163	344,250	751,419	113,846	7,369,574
1998r...	4,149,505	791,475	1,753,953	389,500	751,419	115,775	7,951,627

(1) Includes loans made through the Farm Credit Corporation, Federal Development Business Bank and under the Veterans Land Act.

(2) Includes loans made through Alberta Treasury Branches and the Alberta Agriculture Financial Services Corporation.

(3) Includes insurance, trust companies, supply companies, private individuals and others.

Source: Statistics Canada Cat. No. 21-603E, "Agriculture Economic Statistics"; and Alberta Agriculture, Food and Rural Development

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Table 10 Population of Canada and Provinces on July 1st, 1984-1999

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alberta	Yukon/ B.C. NWT (1)	Canada	
	'000 of Persons											
1984...	580.2	126.6	877.1	721.0	6,631.2	9,171.9	1,071.9	1,015.5	2,390.1	2,945.6	76.5	25,607.6
1985...	579.3	127.7	885.1	723.7	6,665.7	9,297.5	1,082.3	1,025.5	2,402.9	2,974.3	78.8	25,842.6
1986...	576.5	128.4	889.3	725.1	6,708.4	9,437.8	1,091.7	1,029.3	2,430.9	3,004.1	79.2	26,100.6
1987...	575.1	128.6	893.5	727.9	6,782.8	9,644.9	1,098.1	1,032.8	2,435.4	3,050.1	80.7	26,449.9
1988...	575.0	129.3	897.4	730.4	6,839.6	9,843.8	1,102.1	1,028.1	2,454.7	3,115.7	82.3	26,798.3
1989...	576.4	130.1	903.9	735.2	6,929.5	10,109.8	1,103.5	1,019.3	2,495.8	3,198.5	84.1	27,286.2
1990...	578.1	130.5	909.7	740.1	7,004.4	10,299.6	1,105.6	1,007.1	2,547.6	3,291.4	86.7	27,700.9
1991...	579.5	130.3	915.1	745.5	7,064.7	10,427.6	1,109.6	1,002.7	2,592.6	3,373.4	89.8	28,030.9
1992...	580.2	130.9	919.4	748.5	7,112.8	10,570.5	1,113.1	1,004.0	2,634.4	3,470.3	92.7	28,376.6
1993...	580.2	132.3	923.7	749.5	7,165.2	10,690.4	1,118.4	1,006.9	2,670.7	3,571.5	94.2	28,703.1
1994...	574.8	133.7	926.3	750.9	7,207.3	10,827.5	1,123.9	1,009.7	2,704.9	3,681.8	95.2	29,036.0
1995...	568.0	134.8	927.7	751.8	7,241.4	10,964.9	1,129.8	1,014.2	2,739.9	3,784.0	97.5	29,353.9
1996...	560.6	136.2	931.2	753.0	7,274.0	11,100.9	1,134.3	1,019.5	2,780.6	3,882.0	99.5	29,671.9
1997r.	554.1	136.9	934.5	754.2	7,302.6	11,249.5	1,136.6	1,022.0	2,837.2	3,959.7	100.0	29,987.2
1998r.	545.4	137.0	936.1	753.5	7,323.0	11,384.4	1,138.0	1,025.2	2,906.9	3,998.3	99.1	30,246.9
1999p.	541.0	138.0	939.8	755.0	7,345.4	11,513.8	1,143.5	1,027.8	2,964.7	4,023.1	99.3	30,491.3
Annual Per Cent Change 1999/1998	-0.8%	0.7%	0.4%	0.2%	0.3%	1.1%	0.5%	0.3%	2.0%	0.6%	0.2%	0.8%

(1) Includes Yukon, Northwest Territories and Nunavut. The new northern territory of Nunavut was officially created on April 1, 1999 when the Northwest Territories was divided in two.

Source: Statistics Canada Cat. No. 91-002-XPB, "Quarterly Demographic Statistics"

Table 11 Alberta Urban, Rural and Farm Population (1), June, 1971-1996

	Total Population	Total Urban (2)	Total Rural (3)	Farm Population (4)			Total Non-Farm
				Total	Rural	Urban	
1971.....	1,627,875	1,196,250	431,615	237,924	236,025	1,899	1,389,941
1976.....	1,838,035	1,379,170	458,870	219,305	217,915	1,390	1,618,735
1981.....	2,237,724	1,727,545	510,179	195,284	190,755	4,529	2,042,440
1986 (5).....	2,365,830	1,877,760	488,070	183,835	178,115	5,720	2,181,995
1991 (5).....	2,545,555	2,030,895	514,660	176,935	171,695	5,245	2,368,620
1996 (5).....	2,696,825	2,142,815	554,010	188,510	183,950	4,560	2,508,315
Per Cent Change From Previous Census Year							
1976.....	12.9	15.3	6.3	-7.8	-7.7	-26.8	16.5
1981.....	21.7	25.3	11.2	-11.0	-12.5	225.8	26.2
1986 (5).....	5.7	8.7	-4.3	-5.9	-6.6	26.3	6.8
1991 (5).....	7.6	8.2	5.4	-3.8	-3.6	-8.3	8.6
1996 (5).....	5.9	5.5	7.6	6.5	7.1	-13.1	5.9

(1) Data are from the Census of Population conducted in the beginning of June (1996 Census conducted on May 14, 1996)

(2) Refers to persons living in a continuously built-up area having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre based on the previous census.

(3) Refers to all persons living outside urban areas.

(4) Refers to all persons living in rural and urban areas who are members of the households of farm operators living on their farms for a length of time during the twelve-month period prior to the census.

(5) Excludes incompletely enumerated Indian Reserves.

Source: Statistics Canada, Census of Population

Table 12 Alberta Employed Labour Force (1) in Agri-Food Industries, 1987-1999

	Agriculture					Manufacturing		Total
	All Industries	Crop Production	Animal Production	Mixed Farming	(2) Total Agriculture	All Manuf. Industries	Food & Beverage	Agri-Food Industries
	No. of Persons							
1987r....	1,188,700	26,600	36,700	23,600	88,300	90,800	17,500	105,800
1988r....	1,223,600	32,300	32,100	26,000	91,600	96,700	19,200	110,800
1989r....	1,251,400	31,900	31,500	28,700	92,900	97,600	18,600	111,500
1990r....	1,278,500	31,600	34,400	28,100	95,300	94,400	18,700	114,000
1991r....	1,287,300	27,900	39,600	30,000	98,700	90,700	17,200	115,900
1992r....	1,284,100	29,600	36,600	29,300	97,300	91,900	16,800	114,100
1993r....	1,294,800	27,600	35,900	29,300	94,400	94,600	19,100	113,500
1994r....	1,331,600	24,700	39,000	27,000	92,400	100,000	17,000	109,400
1995r....	1,369,300	24,200	40,500	27,500	94,100	106,800	19,100	113,200
1996r....	1,408,400	27,000	40,400	25,100	94,000	108,400	19,800	113,800
1997r....	1,457,900	24,600	41,000	20,500	89,200	119,000	19,500	108,700
1998r....	1,515,400	25,900	43,700	19,800	91,600	126,300	20,400	112,000
1999.....	1,553,300	27,400	42,500	10,600	82,500	134,300	19,000	101,500
Per Cent of All Industries - 1999								
	100.0%	1.8%	2.7%	0.7%	5.3%	8.6%	1.2%	6.5%

NOTE: Changes to Labour Force Survey Data

a) Statistics Canada Labour Force Survey results are now based on the North American Industry Classification System (NAICS) replacing the 1980 Standard Industry Classification System (SIC). NAICS is a new classification system adopted by Canada, United States and Mexico following the North American Free Trade Agreement (NAFTA). NAICS provides a common framework for the collection of economic and financial data and is more suitable for the study of competitiveness and industrial performance. Industries are grouped by common inputs and processes, rather than by outputs.

b) Labour force historical data are revised back to 1976 as a result of a new method of estimation (reduces the sampling error associated with a sample based survey) and the adjustment of all estimates to reflect population counts based on the 1996 Census of Population.

(1) Annual averages for employed labour force refers to persons 15 years of age and over who (a) did any work during the reference period or (b) had a job but were not at work due to illness or disability; personal or family responsibilities; bad weather; labour disputes; vacation; or other reasons not specified. Work includes any work for pay or profit. It also includes unpaid family work which contributes directly to the operation of a farm, business or professional practice owned or operated by a related member of the household.

(2) Includes support activities for agriculture.

Source: Statistics Canada Cat. No. 71-001, "The Labour Force"

Fig. 5 Five-Year Change in Agriculture Employment, Canada and Provinces, 1999/1995

Compared to five years ago (1995), the majority of Canada's provinces reported lower employment levels in agriculture. Canada experienced a decline of 3.4% or 14,300 jobs. The largest decrease was in Alberta where employment moved from 94,100 to 82,500 - a loss of 11,600 jobs.

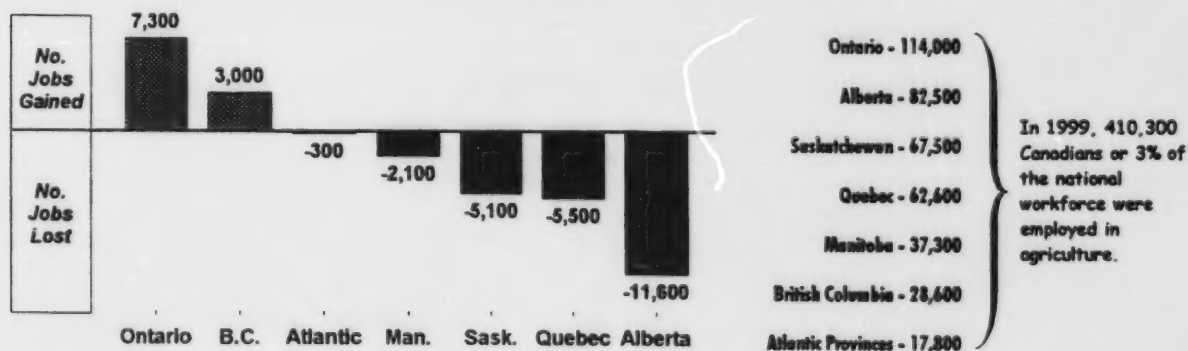


Fig. 6 Distribution of Alberta's Employed Labour Force by Industry, 1999

Rank			Number Employed (^{'000})	% of All Industries
#1		Retail and Wholesale Trade.....	241.3	15.5
#2		Health Care & Social Assistance.....	145.4	9.4
#3		Construction.....	117.4	7.6
#4		Manufacturing (excluding Food & Bev.)....	115.3	7.4
#5		Educational Services.....	105.1	6.8
#6		Accommodation & Food Services.....	104.5	6.7
#7		Professional, Scientific & Tech. Services....	102.5	6.6
#8		Agri-Food Industries.....	101.5	6.5
#9		Transportation & Warehousing.....	91.1	5.9
#10		Finance, Insurance, Real Estate & Leasing	80.4	5.2
#11		Other Services.....	75.4	4.9
#12		Mining, Oil & Gas Extraction.....	73.4	4.7
		Other Industries.....	200.0	12.9
		All Industries.....	1,553.3	100.0

Fig. 7 Employment in Alberta Agri-Food Industries, 1995-1999

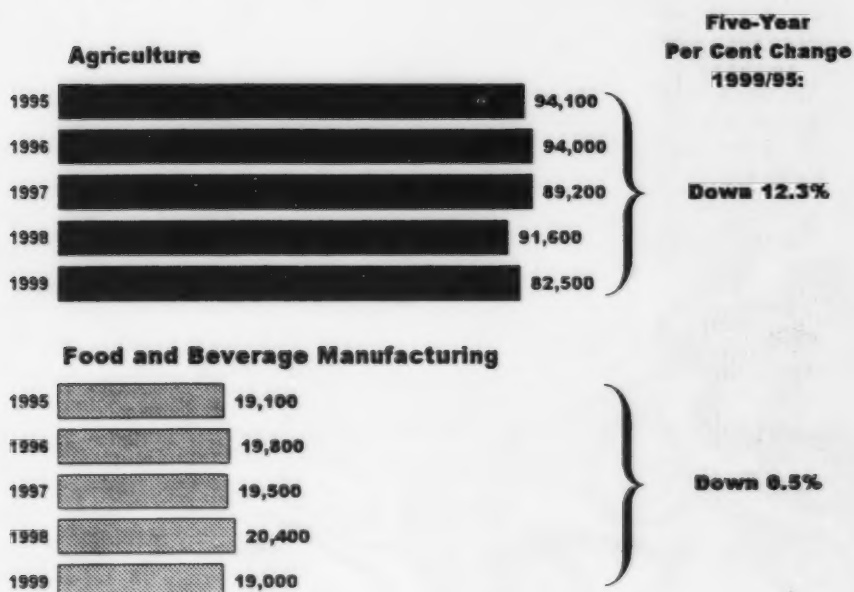


**Table 13 Alberta Gross Domestic Product for Agri-Food Industries at Factor Cost
in Constant (1992) Dollars, 1971-1998**

	Agriculture			Food & Beverages (1)			Agri-Food Industries			All Industries	
	\$ Millions	% Chg.	% of Total	\$ Millions	% Chg.	% of Total	\$ Millions	% Chg.	% of Total	\$ Millions	% Chg.
1971.....	1,163		3.7	793		2.5	1,956		6.2	31,363	
1972.....	1,190	2.3	3.5	810	2.1	2.4	2,000	2.2	5.9	34,061	8.6
1973.....	1,166	-2.0	3.1	826	2.0	2.2	1,992	-0.4	5.3	37,579	10.3
1974.....	1,002	-14.1	2.7	957	15.9	2.6	1,959	-1.7	5.4	36,526	-2.8
1975.....	1,259	25.6	3.4	952	-0.5	2.6	2,211	12.9	5.9	37,330	2.2
1976.....	1,471	16.8	3.7	960	0.8	2.4	2,431	10.0	6.1	40,013	7.2
1977.....	1,291	-12.2	3.0	1,164	21.3	2.7	2,455	1.0	5.8	42,647	6.6
1978.....	1,349	4.5	3.0	1,092	-6.2	2.4	2,441	-0.6	5.4	45,502	6.7
1979.....	1,247	-7.6	2.5	1,165	6.7	2.3	2,412	-1.2	4.8	50,362	10.7
1980.....	1,439	15.4	2.7	1,023	-12.2	2.0	2,462	2.1	4.7	52,400	4.0
1981.....	1,508	4.8	2.7	1,234	20.6	2.2	2,742	11.4	4.8	56,636	8.1
1982.....	1,425	-5.5	2.6	1,056	-14.4	1.9	2,481	-9.5	4.5	55,240	-2.5
1983.....	1,480	3.9	2.8	929	-12.0	1.7	2,409	-2.9	4.5	53,452	-3.2
1984.....	1,296	-12.4	2.4	999	7.5	1.8	2,295	-4.7	4.2	54,886	2.7
1985.....	1,290	-0.5	2.2	894	-10.5	1.5	2,184	-4.8	3.8	58,163	6.0
1986.....	1,895	46.9	3.2	831	-7.0	1.4	2,726	24.8	4.6	59,121	1.6
1987.....	1,806	-4.7	3.0	889	7.0	1.5	2,695	-1.1	4.5	59,831	1.2
1988.....	1,978	9.5	3.1	865	-2.7	1.3	2,843	5.5	4.4	64,237	7.4
1989.....	1,982	0.2	3.1	779	-9.9	1.2	2,761	-2.9	4.3	64,901	1.0
1990.....	2,131	7.5	3.2	887	13.9	1.3	3,018	9.3	4.6	66,212	2.0
1991.....	2,279	6.9	3.4	1,008	13.6	1.5	3,287	8.9	4.9	67,642	2.2
1992.....	1,985	-12.9	2.9	928	-7.9	1.4	2,913	-11.4	4.3	68,458	1.2
1993r.....	2,502	26.0	3.5	1,079	16.3	1.5	3,581	22.9	4.9	72,516	5.9
1994r.....	2,547	1.8	3.4	1,205	11.7	1.6	3,752	4.8	4.9	73,906	4.7
1995r.....	2,718	6.7	3.5	1,266	5.1	1.6	3,984	6.2	5.1	78,170	3.0
1996r.....	2,720	0.1	3.4	1,318	4.1	1.7	4,038	1.4	5.1	79,874	2.2
1997r.....	2,675	-1.7	3.1	1,371	4.0	1.6	4,046	0.2	4.7	83,311	6.8
1998p....	2,704	1.1	3.1	1,422	3.7	1.6	4,126	2.0	4.7	87,587	2.7

Note: "% of Total" refers to per cent of all industries.

(1) Refers to food and beverage manufacturing industries.

Source: Alberta Treasury, Statistics

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Table 14 Alberta Gross Domestic Product by Industry at Factor Cost in Constant (1992) Dollars (1), 1994-1998

	1994	1995	1996	1997	1998p	% Chg 1998/97	% of Total 1998	Average 1994-98	% Chg 1998/94
	\$ Millions							\$ Millions	
Goods Producing Industries.....	32,842	33,857	34,961	38,003	38,367	1.0	43.8	35,606	16.8
Agriculture	2,547	2,718	2,720	2,675	2,704	1.1	3.1	2,673	6.2
Fishing and Trapping	2	3	3	3	3	*	*	3	50.0
Logging and Forestry	178	187	212	233	227	6	0.3	207	27.5
Mining, Crude Petroleum, Natural Gas	14,766	15,231	15,677	16,465	16,448	0.1	18.8	15,717	11.4
Manufacturing	6,945	7,260	7,587	8,559	8,891	3.9	10.2	7,848	28.0
Food	995	1,085	1,126	1,161	1,200	3.4	1.4	1,113	20.6
Beverage	210	181	191	210	222	5.7	0.9	203	5.7
Other Manufacturing Industries	5,740	5,994	6,269	7,188	7,469	3.9	8.9	6,532	30.1
Construction	5,656	5,663	5,848	7,091	7,179	1.2	8.2	6,287	26.9
Utilities	2,748	2,795	2,914	2,977	2,915	2.1	3.3	2,870	6.1
Services Producing Industries.....	42,785	43,232	44,026	46,872	48,349	3.2	55.2	45,053	13.0
Transp., Storage and Communications	5,804	6,088	6,307	6,874	7,045	2.5	8.0	6,424	21.4
Wholesale Trade	3,633	3,634	3,675	4,103	4,045	1.4	9.8	4,178	28.9
Retail Trade	4,010	4,004	4,063	4,498	4,698	4.4	14.4	4,255	17.2
Finance, Insurance	2,777	2,674	2,690	2,908	3,008	3.4	14.4	2,801	10.3
Real Estate Operators & Broker Agents	6,608	6,690	6,834	7,018	7,162	2.1	8.2	6,862	8.4
Business Services	3,201	3,376	3,638	3,986	4,300	7.9	14.9	3,701	34.1
Government Services	4,025	3,861	3,777	3,620	3,612	0.2	14.1	3,768	10.3
Educational Services	3,627	3,608	3,694	3,764	3,776	0.3	14.1	3,695	4.1
Health and Social Services	4,879	4,227	4,560	4,548	4,090	-12.3	14.7	4,101	15.7
Accommod. Food and Beverage Services	2,120	2,130	2,207	2,409	2,496	3.6	12.8	2,272	17.5
Other Services	1,945	1,940	2,435	3,039	3,117	2.5	13.6	2,995	5.8
All Industries.....	75,906	78,170	79,874	85,311	87,587	2.7	100.0	81,370	15.4
Agri-Food Industries.....	3,752	3,984	4,038	4,046	4,126	2.0	4.7	3,989	10.0
Agriculture.....	2,547	2,718	2,720	2,675	2,704	1.1	3.1	2,673	6.2
Food and Beverage Manufacturing.....	1,205	1,266	1,318	1,371	1,422	3.7	1.6	1,316	18.0

* - figure too small to be reported

GDP (as Reported) is the difference between gross output of an industry and the purchase of intermediate goods and services. GDP of an industry is the value added by labour and capital in transforming inputs purchased from other industries into output. This allows the measurement and comparison of economic activity on an industry-by-industry basis. GDP totals include statistical discrepancy.

GDP estimates presented are at factor cost which measures the income accruing to the factors of production (land, labour and capital). GDP at factor cost is derived from GDP at Market Prices by subtracting indirect taxes less subsidies. In order to eliminate the influence of inflation, GDP is measured in 1992 constant dollars.

Due to data limitations, GDP estimates for agri-food industries exclude: (1) firms that supply certain inputs; (2) specified services to agriculture and (3) related downstream industries. Examples of excluded inputs and services are: dealers of fertilizers, agricultural machinery, pesticides and seed; farm lenders; accountant services; for-hire transport; utilities; and firms involved in packaging materials. The exclusion of these types of inputs and services implies that GDP for the agri-food sector and its share of the economy is underestimated. However, it should be noted that the activities that are included represent the bulk of agri-food activity. If all activities could be measured, the contribution of the agri-food sector to the total economy would be greater.

Source: Alberta Treasury, Statistics

Table 14 Alberta Gross Domestic Product by Industry at Factor Cost in Constant (1992) Dollars (1), 1994-1998

	1994	1995	1996	1997	1998p	% Chg. 1998/97	% of Total 1998	Average 1994-98	% Chg. 1998/94
	\$ Millions							\$ Millions	
Goods Producing Industries.....	32,842	33,857	34,961	38,003	38,367	1.0	43.8	35,606	16.8
Agriculture.....	2,547	2,718	2,720	2,675	2,704	1.1	3.1	2,673	6.2
Fishing and Trapping.....	2	3	3	3	3	*	*	3	50.0
Logging and Forestry.....	178	187	212	233	227	-2.6	0.3	207	27.5
Mining, Crude Petroleum, Natural Gas..	14,766	15,231	15,677	16,465	16,448	-0.1	18.8	15,717	11.4
Manufacturing.....	6,945	7,260	7,587	8,559	8,891	3.9	10.2	7,848	28.0
Food.....	995	1,085	1,126	1,161	1,200	3.4	1.4	1,113	20.6
Beverage.....	210	181	192	210	222	5.7	0.3	203	5.7
Other Manufacturing Industries.....	5,740	5,994	6,269	7,188	7,469	3.9	8.5	6,532	30.1
Construction.....	5,656	5,663	5,848	7,091	7,179	1.2	8.2	6,287	26.9
Utilities.....	2,748	2,795	2,914	2,977	2,915	-2.1	3.3	2,870	6.1
Services Producing Industries.....	42,785	43,232	44,026	46,872	48,349	3.2	55.2	45,053	13.0
Transp., Storage and Communication....	5,804	6,088	6,307	6,874	7,045	2.5	8.0	6,424	21.4
Wholesale Trade.....	3,633	3,634	3,875	4,703	5,045	7.3	5.8	4,178	38.9
Retail Trade.....	4,010	4,004	4,063	4,498	4,698	4.4	5.4	4,255	17.2
Finance, Insurance.....	2,727	2,674	2,690	2,908	3,008	3.4	3.4	2,801	10.3
Real Estate Operators & Insur. Agents....	6,608	6,690	6,834	7,018	7,162	2.1	8.2	6,862	8.4
Business Services.....	3,207	3,376	3,638	3,986	4,300	7.9	4.9	3,701	34.1
Government Services.....	4,025	3,861	3,723	3,620	3,612	-0.2	4.1	3,768	-10.3
Educational Services.....	3,627	3,608	3,694	3,769	3,776	0.2	4.3	3,695	4.1
Health and Social Services.....	4,079	4,227	4,060	4,048	4,090	1.0	4.7	4,101	0.3
Accomm., Food and Beverage Services..	2,120	2,130	2,207	2,409	2,496	3.6	2.8	2,272	17.7
Other Services.....	2,945	2,940	2,935	3,039	3,117	2.6	3.6	2,995	5.8
All Industries.....	75,906	78,170	79,874	85,311	87,587	2.7	100.0	81,370	15.4
Agri-Food Industries.....	3,752	3,984	4,038	4,046	4,126	2.0	4.7	3,989	10.0
Agriculture.....	2,547	2,718	2,720	2,675	2,704	1.1	3.1	2,673	6.2
Food and Beverage Manufacturing.....	1,205	1,266	1,318	1,371	1,422	3.7	1.6	1,316	18.0

* - figure too small to be expressed

(1) Gross Domestic Product is the difference between gross output of an industry and the purchase of intermediate goods and services. GDP of an industry is the value added by labour and capital in transforming inputs purchased from other industries into output. This allows the measurement and comparison of economic activity on an industry by industry basis. GDP totals include statistical discrepancy.

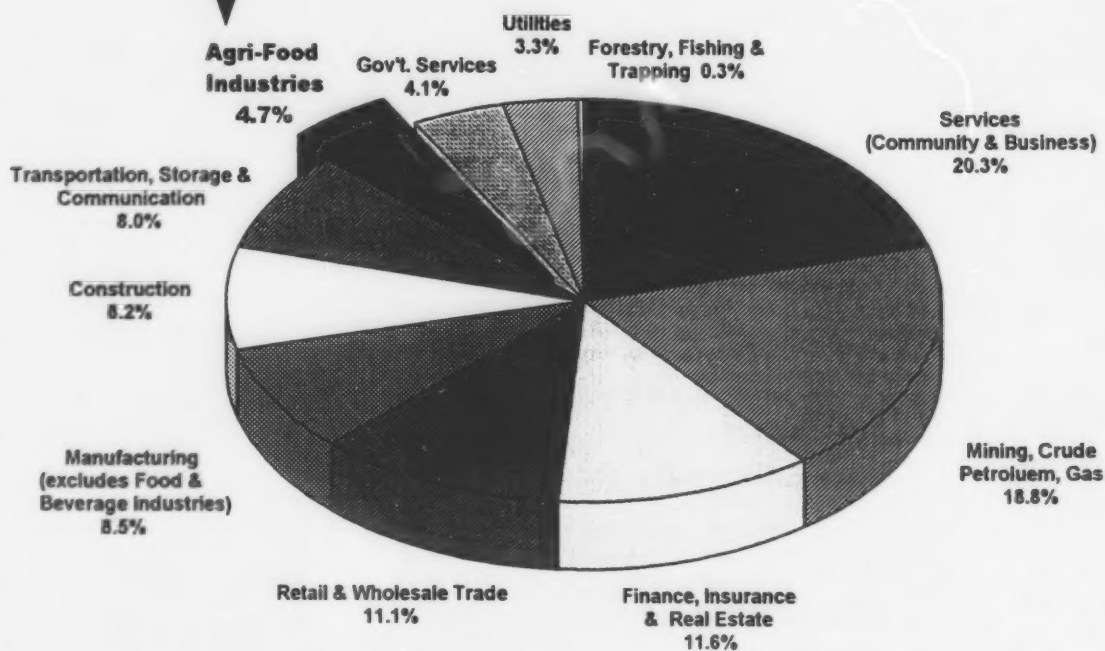
GDP estimates presented are at factor cost which measures the income accruing to the factors of production (land, labour and capital). GDP at factor cost is derived from GDP at Market Prices by subtracting indirect taxes less subsidies. In order to eliminate the influence of inflation, GDP is measured in 1992 constant dollars.

Due to data limitations, GDP estimates for agri-food industries exclude: (1) firms that supply certain inputs (2) specified services to agriculture and (3) related downstream industries. Examples of excluded inputs and services are: dealers of fertilizers, agricultural machinery, pesticides and seed; farm lenders; accountant services; for-hire transport; utilities; and firms involved in packaging materials. The exclusion of these types of inputs and services implies that GDP for the agri-food sector and its share of the economy is underestimated. However, it should be noted that the activities that are included represent the bulk of agri-food activity. If all activities could be measured, the contribution of the agri-food sector to the total economy would be greater.

Source: Alberta Treasury, Statistics

Fig. 8 Distribution of 1998 Alberta Gross Domestic Product (GDP) by Industry (1)

In 1998, Alberta's agri-food sector (agriculture industry plus food and beverage manufacturing industries) was the eighth largest industry in the province in terms of goods and services produced. At \$4.1 billion, the sector accounted for 4.7% of total provincial Gross Domestic Product.



1998 Alberta Total GDP in Constant (1992) Dollars: \$87.6 Billion

(1) GDP is at Factor Cost in Constant (1992) Dollars.

Table 15 Alberta Agri-Food Capital Investment Expenditures (1), 1991-2000

	All Alberta Industries	Manufacturing Industries			Agriculture Industries (2)				Total Agri-Food Industries (3)	
		Total Manuf. Industries	Food Industries	Beverage Industries	Total Food & Beverage	Crop Production	Animal Production	Support Services		Total Agriculture
\$ Millions										
1991r.....	16,127.1	1,122.1	66.6	15.1	81.7	272.9	284.1	0.4	557.4	639.1
1992r.....	16,345.2	1,464.5	68.6	38.8	107.4	306.0	312.5	1.2	619.7	727.1
1993r.....	18,056.4	1,485.8	59.2	38.7	97.9	377.9	374.9	1.8	754.6	852.5
1994r.....	20,833.9	1,136.7	105.2	33.9	139.1	408.8	404.7	1.2	814.7	953.8
1995r.....	20,907.0	1,314.0	122.7	28.9	151.6	423.8	427.6	3.5	854.9	1,006.5
1996r.....	21,364.8	1,251.4	165.2	25.1	190.3	414.5	439.4	8.0	861.9	1,052.2
1997r.....	28,833.9	1,571.7	147.2	26.5	173.7	542.4	554.2	14.8	1,111.4	1,285.1
1998 (4)...	32,284.5	2,396.7	193.2	22.5	215.7	511.1	572.6	13.5	1,097.2	1,312.9
1999 (5)...	31,291.7	2,407.2	152.1	20.8	172.9	485.6	601.2	5.1	1,091.9	1,264.8
2000 (6)...	32,430.8	1,736.8	134.0	24.5	158.5	472.9	619.2	7.3	1,099.4	1,257.9
Per Cent Change From Previous Year										
1992r.....	1.4	30.5	3.0	157.0	31.5	12.1	10.0	200.0	11.2	13.8
1993r.....	10.5	1.5	-13.7	-0.3	-8.8	23.5	20.0	50.0	21.8	17.2
1994r.....	15.4	-23.5	77.7	-12.4	42.1	8.2	7.9	-33.3	8.0	11.9
1995r.....	0.4	15.6	16.6	-14.7	9.0	3.7	5.7	191.7	4.9	5.5
1996r.....	2.2	-4.8	34.6	-13.1	25.5	-2.2	2.8	128.6	0.8	4.5
1997r.....	35.0	25.6	-10.9	5.6	-8.7	30.9	26.1	85.0	28.9	22.1
1998 (4)...	12.0	52.5	31.3	-15.1	24.2	-5.8	3.3	-8.8	-1.3	2.2
1999 (5)...	-3.1	0.4	-21.3	-7.6	-19.8	-5.0	5.0	-62.2	-0.5	-3.7
2000 (6)...	3.6	-27.8	-11.9	17.8	-8.3	-2.6	3.0	43.1	0.7	-0.5

Note: Capital investment expenditures refers to the cost of procuring, constructing and installing new durable plant and machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others. Also included are all capitalized costs such as feasibility studies, architectural, legal, installation and engineering fees, the value of capital assets put in place by firms either by contract or with their own labour force, as well as the capitalized interest charges on loans with which capital projects are financed. Gross outlays have been reported without any deduction for scrap, trade-in value of old assets and include any grants and/or subsidies received.

(1) Data are based on the new North American Industrial Classification System (NAICS) which replaces the previously used Standard Industrial Classification (SIC).

(2) Agriculture industries refer to establishments growing crops, raising animals or producing animal products as well as establishments providing support services for crops and livestock production. Note: The figures shown above for "Support Services" include estimates for the forestry industry. Separate data for agriculture are not available due to confidentiality.

(3) Agri-Food Industries refer to the sum of food and beverage manufacturing industries plus agriculture industries.

(4) 1998 - Actual estimates.

(5) 1999 - Preliminary actual estimates.

(6) 2000 - Forecast estimates.

Source: Statistics Canada Catalogue No. 61-205-XIB, "Private and Public Investment in Canada, Intentions"

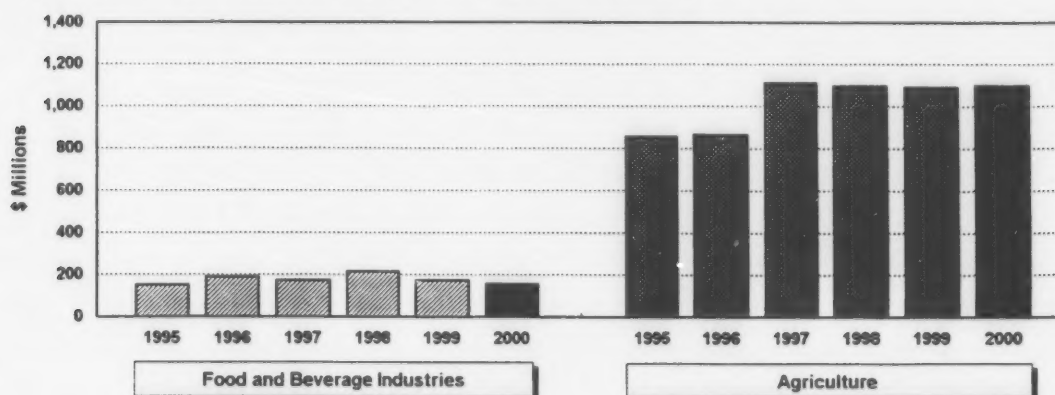
Fig. 9 Alberta Capital Investment Expenditures in Agri-Food Industries, 1995-2000


Table 16 All-Items Consumer Price Index (1992=100), Canada, Alberta, Edmonton and Calgary, 1960-1999 (1)

	Canada	% Chg.	Alberta	% Chg.	Edmonton	% Chg.	Calgary	% Chg.
1960.....	18.5	1.1	-	-	-	-	-	-
1961.....	18.7	1.1	-	-	-	-	-	-
1962.....	18.9	1.1	-	-	-	-	-	-
1963.....	19.2	1.6	-	-	-	-	-	-
1964.....	19.6	2.1	-	-	-	-	-	-
1965.....	20.0	2.0	-	-	-	-	-	-
1966.....	20.8	4.0	-	-	-	-	-	-
1967.....	21.5	3.4	-	-	-	-	-	-
1968.....	22.4	4.2	-	-	-	-	-	-
1969.....	23.4	4.5	-	-	-	-	-	-
1970.....	24.2	3.4	-	-	-	-	-	-
1971.....	24.9	2.9	-	-	25.8	-	26.2	-
1972.....	26.1	4.8	-	-	27.0	4.7	27.3	4.2
1973.....	28.1	7.7	-	-	29.1	7.8	29.2	7.0
1974.....	31.1	10.7	-	-	32.0	10.0	32.2	10.3
1975.....	34.5	10.9	-	-	35.5	10.9	35.8	11.2
1976.....	37.1	7.5	-	-	38.4	8.2	38.8	8.4
1977.....	40.0	7.8	-	-	41.9	9.1	42.1	8.5
1978.....	43.6	9.0	-	-	45.6	8.8	45.6	8.3
1979.....	47.6	9.2	49.7	-	49.7	9.0	49.6	8.8
1980.....	52.4	10.1	54.7	10.1	54.7	10.1	54.7	10.3
1981.....	58.9	12.4	61.8	13.0	61.6	12.6	62.0	13.3
1982.....	65.3	10.9	68.8	11.3	68.2	10.7	69.4	11.9
1983.....	69.1	5.8	72.3	5.1	72.2	5.9	72.5	4.5
1984.....	72.1	4.3	74.3	2.8	74.2	2.8	74.4	2.6
1985.....	75.0	4.0	76.5	3.0	76.4	3.0	76.5	2.8
1986.....	78.1	4.1	79.1	3.4	79.0	3.4	79.2	3.5
1987.....	81.5	4.4	82.3	4.0	82.3	4.2	82.2	3.8
1988.....	84.8	4.0	84.5	2.7	84.6	2.8	84.4	2.7
1989.....	89.0	5.0	88.1	4.3	88.3	4.4	87.7	3.9
1990.....	93.3	4.8	93.1	5.7	93.0	5.3	93.1	6.2
1991.....	98.5	5.6	98.5	5.8	98.2	5.6	98.7	6.0
1992.....	100.0	1.5	100.0	1.5	100.0	1.8	100.0	1.3
1993.....	101.8	1.8	101.2	1.2	100.8	0.8	101.3	1.3
1994.....	102.0	0.2	102.6	1.4	102.4	1.6	102.8	1.5
1995.....	104.2	2.2	105.0	2.3	104.5	2.1	105.1	2.2
1996.....	105.9	1.6	107.3	2.2	106.8	2.2	107.4	2.2
1997.....	107.6	1.6	109.5	2.1	108.7	1.8	109.7	2.1
1998.....	108.6	0.9	110.7	1.1	109.7	0.9	111.3	1.5
1999.....	110.5	1.7	113.4	2.4	112.2	2.3	114.2	2.6

Source: Statistics Canada Cat. No. 62-001, "The Consumer Price Index"

Fig. 10 Canada and Alberta All-Items Consumer Price Index - Annual Per Cent Change, 1980-1999

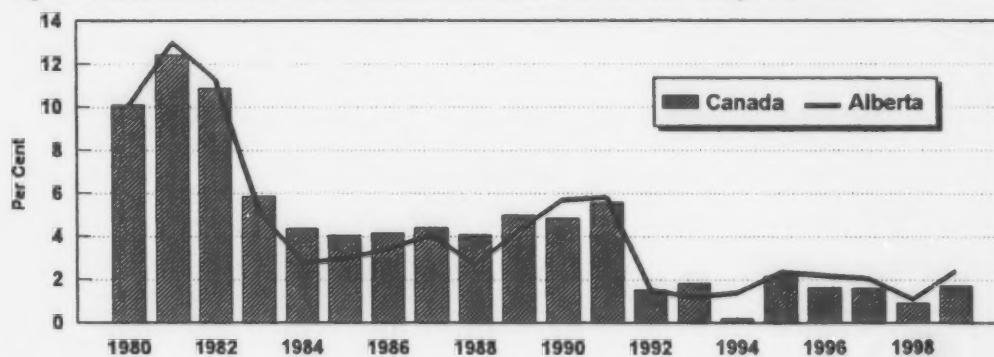


Table 17 Canada and United States Interest Rates and Exchange Rate, 1971-1999

	Canada Bank Rate	Canada Prime Rate	U.S. Prime Rate	U.S. Dollar - Canada \$ per Unit	Canada Dollar in U.S. Funds
1971.....	5.19	6.48	5.73	1.0100	0.9901
1972.....	4.75	6.00	5.25	0.9910	1.0091
1973.....	6.13	7.65	8.03	1.0000	1.0000
1974.....	8.50	10.75	10.81	0.9780	1.0225
1975.....	8.50	9.42	7.86	1.0170	0.9833
1976.....	9.29	10.04	6.84	0.9860	1.0142
1977.....	7.71	8.50	6.83	1.0630	0.9407
1978.....	8.98	9.69	9.06	1.1410	0.8764
1979.....	12.10	12.90	12.67	1.1710	0.8540
1980.....	12.89	14.25	15.26	1.1690	0.8554
1981.....	17.93	19.29	18.87	1.1990	0.8340
1982.....	13.96	15.81	14.85	1.2341	0.8103
1983.....	9.55	11.17	10.79	1.2324	0.8114
1984.....	11.31	12.06	12.04	1.2948	0.7723
1985.....	9.65	10.58	9.93	1.3652	0.7325
1986.....	9.21	10.52	8.33	1.3894	0.7197
1987.....	8.40	9.52	8.21	1.3260	0.7541
1988.....	9.69	10.83	9.32	1.2309	0.8124
1989.....	12.29	13.33	10.87	1.1842	0.8445
1990.....	13.05	14.06	10.01	1.1668	0.8570
1991.....	9.03	9.94	8.46	1.1458	0.8728
1992.....	6.78	7.48	6.25	1.2083	0.8276
1993.....	5.09	5.94	6.00	1.2898	0.7751
1994.....	5.77	6.88	7.15	1.3659	0.7322
1995.....	7.31	8.65	8.83	1.3726	0.7286
1996.....	4.53	6.06	8.27	1.3636	0.7334
1997.....	3.52	4.96	8.44	1.3847	0.7222
1998.....	5.10	6.60	8.35	1.4835	0.6741
1999.....	4.92	6.44	8.00	1.4857	0.6731

Note: The Bank Rate is the minimum rate at which the Bank of Canada makes short-term advances to the chartered banks.

The Canada Prime Rate or the Chartered Bank Rate on Prime Business Loans is the rate charged to the most credit-worthy borrowers.

Source: Bank of Canada Review and United States Federal Reserve

Fig. 11 Canada and United States Monthly Prime Interest Rates, January, 1971 to December, 1999

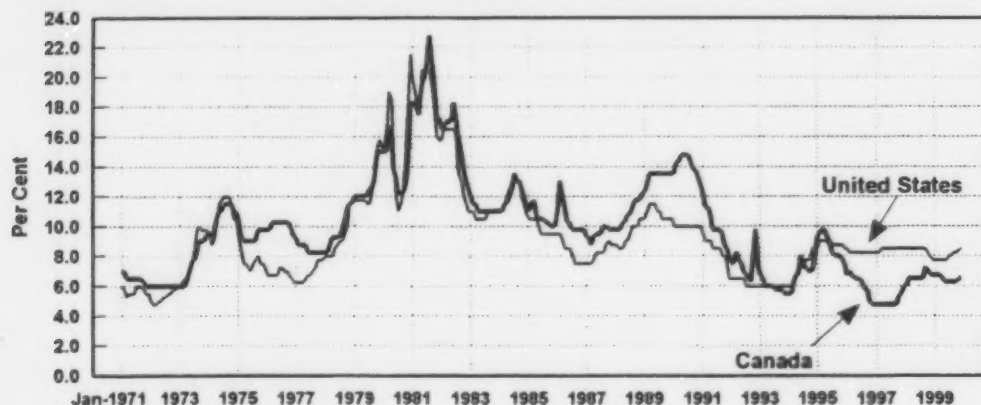


Table 18 Alberta Average Farm Input Prices, 1995-1999

Item	Specifications	1995	1996	1997	1998	1999
		dollars				
Lumber.....	2x6 Spruce, M	578.17	611.25	722.88	650.38	650.38
Sheathing Plywood.....	Spruce, 3/8", 4'x8' Sheet	14.35	14.22	15.33	14.95	14.95
Cement.....	40 kg	8.53	8.59	8.61	8.72	8.72
Barn Paint, Oil Base.....	20 litres	65.81	66.25	69.11	68.68	68.68
Pipe, Plastic.....	3/4", 75 PSI., 100' Coil	23.57	24.26	25.38	24.50	24.50
Rods, Re-Enforcing.....	1/2", 6 metres	4.22	4.27	4.20	4.24	4.24
Barbed Wire.....	12 Gauge, Double Strand	40.96	42.32	41.82	41.97	41.97
Truck Tires.....	1st Line, P235-75R, each	119.97	120.08	117.35	117.91	117.91
Battery.....	525 Cranking Amps	70.42	72.92	74.03	74.70	74.70
V-Belt.....	1/2" x 70", each	10.35	9.86	9.36	10.04	10.04
Antifreeze.....	4 litres	8.37	8.56	8.40	9.20	9.20
Baler Twine.....	Sisal 9000'	31.03	32.84	33.75	33.61	33.61
Mechanical Repairs.....	rate per hour	45.70	46.89	49.54	52.64	52.64
Farm Labour, W/O Board.....	rate per month	1,435.11	1,575.87	1,628.95	1,666.12	1,666.12
Tractor.....	100HP/UP	68,913.67	70,192.21	74,153.28	79,237.70	79,237.70
Tractor.....	170HP/UP	126,251.82	128,361.71	138,223.20	146,289.30	146,289.30
Combine.....	Self-Prop.	176,654.08	180,072.94	183,803.50	197,730.29	197,730.29
Chisel Plow.....	23'-27'	18,690.80	19,611.55	21,144.23	22,648.89	22,648.89
Round Baler.....	Pull Type	27,813.33	28,572.60	29,948.82	31,999.35	31,999.35
Double Disc.....	Heavy Duty 19'-21'	21,572.59	22,420.61	22,814.91	23,837.59	23,837.59
Truck, 1/2 Ton.....	Ford/Chev	18,571.78	19,656.84	21,171.30	21,996.02	21,996.02
Calf Starter Supp.....	(20-24%), 25 kg	8.89	10.11	10.36	10.64	10.64
Dairy Supp.....	(32%), 25 kg	9.94	10.81	11.79	11.85	11.85
Hog Supp.....	(40%), 25 kg	11.67	12.72	13.97	13.67	13.67
Broiler Grower.....	(18-20%), 25 kg	8.28	8.97	9.43	9.81	9.81
Cattle Mineral.....	25 kg	17.06	18.07	18.59	19.23	19.23
Feed Barley, No. 1.....	Farm Gate, per bushel	2.43	3.03	2.38	2.27	2.27
Feed Wheat, No. 1.....	Farm Gate, per bushel	3.72	4.43	3.08	2.96	2.96
Hay, Good Quality Baled.....	per ton	64.10	76.18	80.39	77.98	77.98
Fertilizer, 46-0-0, Bulk.....	per tonne	350.45	378.70	339.84	286.77	286.77
Fertilizer 11-51-0, Bulk.....	per tonne	446.76	460.45	434.39	415.90	415.90
Fertilizer, 82-0-0, Bulk.....	per tonne (Applicator Inc.)	501.37	542.54	533.87	499.21	499.21
2-4D Low Volatile.....	20 litres	87.31	92.73	96.97	100.52	100.52
Avadex BW, Liquid.....	5 gallon	196.88	198.82	200.99	202.38	202.38
Trifluralin, Treflan.....	17 litre case	209.76	218.37	231.23	236.66	236.66
Penicillin, Injectable.....	100 CC.	7.01	8.03	7.28	7.00	7.00
Vitamin A D E, Injectable.....	100 CC	8.41	9.41	9.56	9.11	9.11
Seed - Wheat, Bulk.....	100 kg	23.32	29.85	29.59	28.89	28.89
Seed - Barley, Bulk.....	100 kg	23.41	30.86	30.46	29.66	29.66
Seed - Canola, Treated.....	100 kg, bagged	282.50	285.02	308.73	306.22	306.22
Purple Gas (1).....	100 litres	41.45	43.30	44.47	41.14	41.14
Diesel Fuel (1).....	100 litres	28.68	30.65	32.43	29.66	29.66
Propane, Bulk.....	100 litres	23.85	25.42	28.65	25.59	25.59
Natural Gas.....	GJ	2.83	2.66	2.80	2.91	2.91
Oil, For Diesel Engines.....	5 litres	9.24	9.40	9.52	9.58	9.58

(1) Minus Provincial Rebate Only.

Source: Agricultural Input Monitoring System (AIMS), Statistics and Data Development Unit of
Alberta Agriculture, Food and Rural Development

Table 19 Number of Farm Bankruptcies, Canada and Provinces, 1984-1998

	Canada	Alberta	British Columbia	Sask.	Manitoba	Ontario	Quebec	Atlantic Provinces
1984.....	551	74	39	48	62	154	162	12
1985.....	508	82	25	41	69	152	124	14
1986.....	440	93	33	45	50	102	103	14
1987.....	354	71	23	85	47	52	67	9
1988.....	325	54	31	115	27	35	54	9
1989.....	334	58	14	152	26	18	61	5
1990.....	407	62	18	189	15	32	73	18
1991.....	441	71	15	224	21	15	82	13
1992.....	383	73	10	191	15	21	63	10
1993.....	349	80	5	166	13	22	49	14
1994.....	308	68	11	132	7	15	67	8
1995.....	273	87	12	94	10	23	33	14
1996.....	275	75	1	95	24	17	54	9
1997.....	243	61	4	76	19	15	54	14
1998.....	244	55	5	92	27	12	47	6

Source: Industry Canada, Office of the Superintendent of Bankruptcy

Fig. 12 Number of Alberta Farm Bankruptcies, 1984-1998

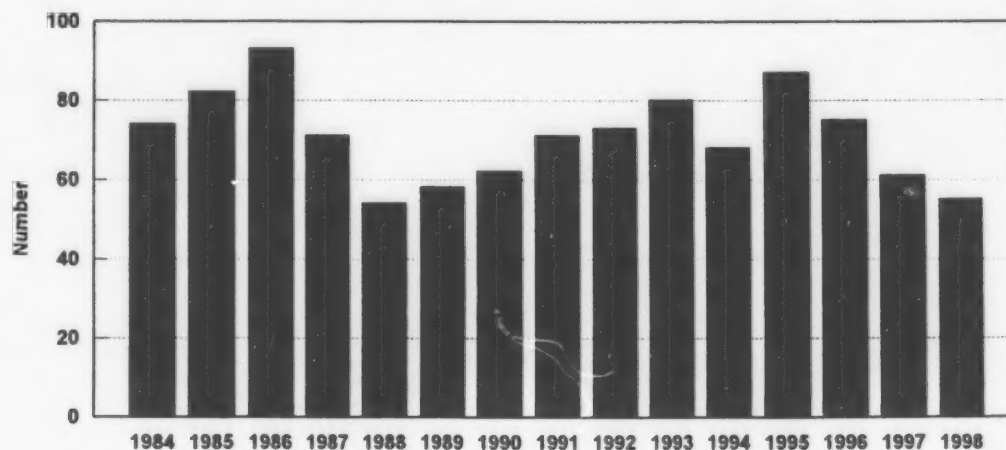


Table 20 Wage Rates Paid to Hired Agricultural Labour, Canada and Provinces, 1993-1997

	Canada	Alberta	B.C.	Sask.	Manitoba	Ontario	Quebec	Atlantic Provinces
dollars paid per hour								
General Farm Labour								
1993.....	8.29	8.61	9.11	8.17	8.43	8.66	7.34	7.90
1994.....	8.69	9.53	8.93	8.13	8.01	9.02	7.54	8.16
1995.....	8.76	9.06	9.47	8.57	8.47	9.00	8.01	8.33
1996.....	8.94	9.34	10.25	8.63	8.87	8.98	7.94	8.10
1997.....	9.27	10.15	10.41	9.31	8.88	9.28	8.72	8.03
Operating Machinery								
1993.....	9.21	9.74	9.18	8.06	8.71	11.20	7.87	8.33
1994.....	9.71	10.03	10.75	8.86	8.41	10.80	10.06	10.09
1995.....	9.59	9.96	10.81	8.78	9.06	10.82	10.13	9.10
1996.....	10.19	10.28	11.19	9.32	10.03	10.87	10.24	9.36
1997.....	10.70	11.43	12.11	9.50	9.71	11.85	9.95	9.85
Care of Livestock								
1993.....	9.32	9.65	10.49	8.10	8.92	9.45	9.10	8.25
1994.....	9.42	9.76	10.59	9.44	9.77	9.15	9.28	8.57
1995.....	9.97	10.72	11.36	10.05	8.31	10.22	9.07	8.82
1996.....	9.95	10.96	11.15	9.86	8.16	10.09	9.51	9.11
1997.....	10.38	10.73	11.09	10.79	9.42	10.84	10.01	9.15
Fruit and Vegetable Labour								
1993.....	7.35	7.32	7.99	8.17	8.27	7.25	6.33	7.42
1994.....	7.55	6.66	7.86	8.84	7.33	7.79	7.09	7.93
1995.....	7.66	7.97	8.78	8.24	6.81	7.32	6.79	7.60
1996.....	8.00	8.57	8.64	9.90	6.33	7.79	7.71	7.92
1997.....	8.32	7.50	8.94	7.36	7.71	8.24	8.02	8.19
Supervising								
1993.....	13.79	14.83	13.97	10.15	12.84	15.50	9.86	12.20
1994.....	13.32	11.58	14.95	12.37	14.90	13.86	11.18	11.92
1995.....	14.02	13.49	14.26	11.37	14.45	15.07	11.90	10.82
1996.....	13.81	14.20	16.86	12.18	11.47	15.04	12.64	11.04
1997.....	13.24	14.14	13.80	12.74	13.71	14.03	10.53	9.06
Other Types of Labour								
1993.....	10.68	16.17	9.22	10.67	8.33	9.09	6.36	8.68
1994.....	8.77	7.58	8.30	8.00	11.04	12.37	11.17	9.16
1995.....	9.03	10.38	9.31	6.63	5.43	9.01	10.47	7.94
1996.....	9.49	10.47	10.24	10.42	7.96	8.20	8.96	10.01
1997.....	9.45	9.40	10.36	8.32	9.91	8.16	10.93	9.73
Average All Types								
1993.....	8.57	9.51	9.20	8.17	8.70	8.70	7.65	8.04
1994.....	8.75	9.09	9.07	8.60	8.52	8.94	8.20	8.35
1995.....	8.89	9.47	9.64	8.91	8.38	8.99	8.12	8.22
1996.....	9.18	9.95	10.16	9.13	9.00	8.99	8.58	8.39
1997.....	9.50	10.22	10.05	9.53	9.04	9.62	9.14	8.35

Note: The Survey of Wage Rates for Hired Agricultural Labour provides estimates of average annual wage rates (for the calendar year) by province and by type of work. The target population is all farm operations employing hired agricultural labour. Labour provided by the spouse or children of the farm operator is excluded. NOTE: This survey has been discontinued as of 1997.

Source: Statistics Canada, Agriculture Division

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Survey of Manufactures

Statistics Canada conducts the Survey of Manufactures on an annual basis. The most recent survey provided actual 1997 data for both value of manufacturing shipments and value added. Preliminary 1998 and 1999 data are only available for value of shipments. Users should also note that data for individual industries are not always available due to confidentiality.

Value of Manufacturing Shipments (of Goods of Own Manufacture)

Refers to the net selling value of goods made by a reporting establishment (or for its own account) from its own materials. Shipments exclude discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Shipments include transfer to other establishments of the same company; the value of non-returnable containers; the book value of goods produced and shipped for the first time on a rental basis; and consignment shipments to other countries (but domestic consignment shipments are included in inventory until sold).

Value Added

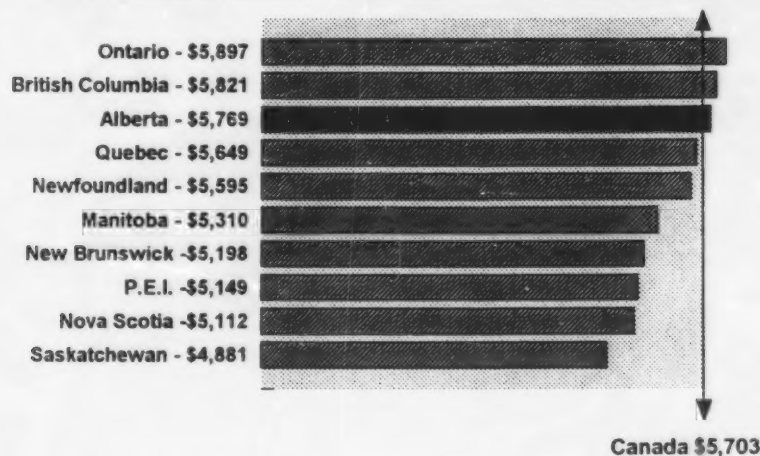
Value added is a measure of net output, that is, of gross output less those purchased inputs (cost of materials and supplies; cost of fuel and electricity) which have been embodied in the value of the products.

Value added, manufacturing activity, is equivalent to the value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel and electricity.

Table 21 Average Household Expenditures on Food and Other Items, Canada and Alberta (1), 1997

	CANADA	% Share of Hshld. Budget	ALBERTA	% Share of Hshld. Budget
Average Expenditure Per Household in 1997 (Dollars)				
Personal Taxes.....	10,634	21.3	10,925	20.1
Shelter.....	9,869	19.8	9,830	18.1
Transportation.....	6,204	12.4	7,130	13.1
Food (From Stores and Restaurants).....	5,703	11.4	5,769	10.6
Personal Insurance Payments/Pension (2).....	2,783	5.6	3,108	5.7
Recreation.....	2,780	5.6	3,568	6.6
Household Operation.....	2,284	4.6	2,539	4.7
Clothing.....	2,182	4.4	2,445	4.5
Household Furnishings and Equipment.....	1,335	2.7	1,572	2.9
Gifts of Money/Contributions to Persons.....	1,240	2.5	1,555	2.9
Health Care.....	1,153	2.3	1,707	3.1
Tobacco Products and Alcoholic Beverages.....	1,139	2.3	1,370	2.5
Miscellaneous.....	795	1.6	896	1.6
Personal Care.....	664	1.3	689	1.3
Education.....	659	1.3	743	1.4
Reading Materials/Other Printed Matter.....	275	0.6	308	0.6
Games of Chance (Net Amount).....	247	0.5	255	0.5
Total Average Household Expenditure.....	49,947	100.0	54,407	100.0
Average Household Size (No. of Persons)	2.59		2.71	

Fig. 13 Average Expenditure Per Household on Food, Canada and Provinces, 1997



(1) The annual Survey of Household Spending (SHS) replaces the Family Expenditure (FAMEX) Survey which was conducted every four years by Statistics Canada. The SHS collected information about the spending habits, dwelling characteristics and household operation of Canadian households in 1997. (The last FAMEX publication Catalogue No. 62-555-XPB "Family Expenditures in Canada" was for the reference year 1996). The new SHS incorporates much of the content of the Family Expenditure Survey and also integrates content from the Household Facilities and Equipment (HFE) Survey.

(2) Refers to Personal Insurance Payments and Pension Contributions.

Source: Statistics Canada Cat. No. 62-202-XPB, "Spending Patterns in Canada"

Table 22 Manufacturing Activity in Food and Beverage Industries, Canada and Provinces, 1984-1999

	Canada	Alberta	Sask. (1)	Manitoba	British Columbia	Ontario	Quebec	(2) Atlantic Provinces
Value of Manufacturing Shipments (\$ Millions)								
(Value of goods produced by establishments including custom work, repair work and goods made under contract)								
1984.....	36,175.2	3,909.3	877.9	1,647.6	2,737.8	14,415.3	9,656.6	2,705.1
1985.....	37,623.7	3,872.3	888.8	1,858.9	3,011.9	15,142.8	9,755.4	2,850.2
1986.....	39,188.7	3,768.4	871.3	1,862.0	3,224.8	15,796.2	10,166.4	3,362.3
1987.....	41,365.9	4,268.7	1,087.6	1,858.4	3,369.2	16,636.7	10,313.4	3,702.4
1988.....	43,024.9	4,530.6	1,103.7	1,814.7	3,400.0	17,534.3	10,734.6	3,776.3
1989.....	43,795.3	4,636.3	1,195.6	1,725.8	3,471.9	18,068.2	10,863.7	3,696.5
1990.....	44,203.1	4,888.8	1,161.3	1,641.3	3,660.1	17,867.1	11,172.5	3,683.8
1991.....	44,014.5	4,782.7	1,113.3	1,568.5	3,650.2	17,804.1	11,143.7	3,818.6
1992.....	45,241.6	4,738.8	1,059.9	1,592.0	4,043.5	18,755.6	11,013.6	3,918.4
1993.....	46,855.9	5,286.9	1,014.2	1,659.1	4,044.1	19,700.2	11,077.8	3,962.9
1994.....	49,522.7	5,758.8	1,099.0	1,743.4	4,138.1	21,146.1	11,372.2	4,147.1
1995.....	51,765.1	6,334.6	1,163.0	1,936.0	4,293.9	21,867.1	11,710.2	4,342.0
1996r.....	54,844.9	6,820.3	1,335.7	2,057.2	4,336.9	22,838.5	12,879.4	4,463.2
1997r.....	57,651.9	7,323.8	1,629.7	2,364.6	4,427.5	23,420.2	13,564.9	4,814.6
1998r.....	59,332.6	7,549.4	1,717.9	2,475.4	4,275.7	24,551.5	13,673.5	5,089.1
1999p.....	60,330.8	7,772.5	1,620.6	2,602.5	4,292.9	24,896.2	13,780.8	5,365.2
Per Cent Share of Canada Shipments - 1999								
	100.0	12.9	2.7	4.3	7.1	41.3	22.8	8.9
Five-Year Per Cent Change 1999/95								
	16.5	22.7	39.3	34.4	(0.0)	13.9	17.7	23.6
Value Added (\$ Millions) (2)								
(Refers to net output, that is, gross output or shipments minus purchased commodity inputs used)								
1984.....	11,743.5	819.0	203.9	433.6	973.2	5,249.9	2,961.6	987.4
1985.....	12,466.7	778.1	200.1	487.9	1,054.7	5,646.1	3,103.3	1,068.7
1986.....	13,376.2	795.8	209.1	553.7	1,096.6	6,007.0	3,302.7	1,322.7
1987.....	14,638.9	931.9	370.6	628.0	1,162.9	6,278.5	3,736.0	1,464.3
1988.....	15,308.7	1,029.8	297.4	582.6	1,225.7	6,797.4	3,935.7	1,375.7
1989.....	15,440.6	956.0	309.8	530.4	1,212.5	6,996.4	4,018.5	1,342.2
1990.....	16,457.3	1,067.9	305.6	572.8	1,301.4	7,191.6	4,601.0	1,349.5
1991.....	17,217.8	1,229.1	299.0	534.7	1,357.9	7,558.0	4,687.6	1,472.1
1992.....	17,970.9	1,256.2	308.2	558.0	1,527.2	8,137.3	4,603.8	1,500.9
1993.....	17,795.7	1,278.3	296.2	565.3	1,466.2	8,281.7	4,390.7	1,448.7
1994.....	18,772.6	1,488.5	318.8	584.3	1,506.0	8,791.0	4,562.4	1,446.7
1995.....	18,614.5	1,685.3	330.7	549.6	1,492.7	8,817.8	4,181.4	1,482.9
1996r.....	19,103.1	1,836.2	390.2	523.3	1,518.7	8,804.9	4,485.5	1,473.5
1997p.....	20,573.1	1,816.3	558.3	715.1	1,608.2	9,230.6	4,938.8	1,642.2
1997 Value Added as a Per Cent of 1997 Shipments								
	35.7	24.8	34.3	30.2	36.3	39.4	36.4	34.1

(1) Figures shown from 1984 to 1986 include food industries only.

(2) Figures shown may not include beverage component for all Atlantic provinces due to confidentiality.

Source: Statistics Canada Cat. No. 31-203-XPB, "Manufacturing Industries of Canada, National and Provincial Areas" and Cat. No. 31-001-XPB, "Monthly Survey of Manufacturing"

Fig. 14 Top Five Alberta Manufacturing Industries in 1999 (p)

Manufacturing Shipments (\$ Billions)

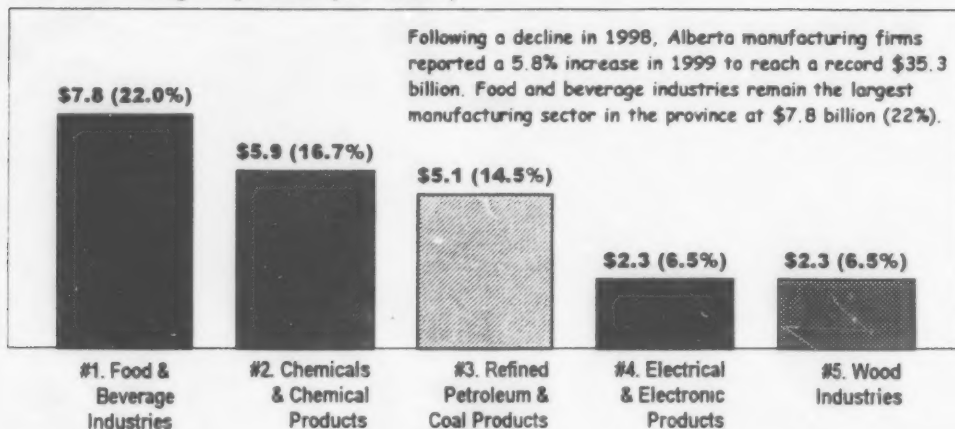
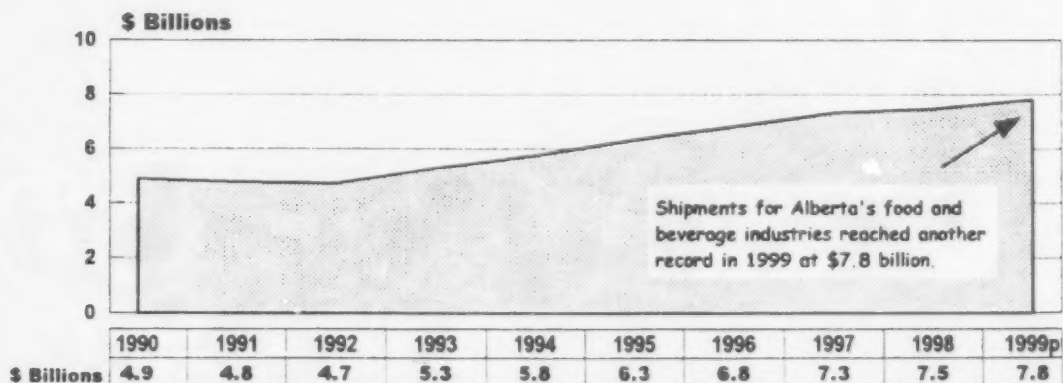


Fig. 15 Alberta Food and Beverage Manufacturing Shipments, 1990-1999 (p)



Annual Per Cent Change in Shipments From the Previous Year

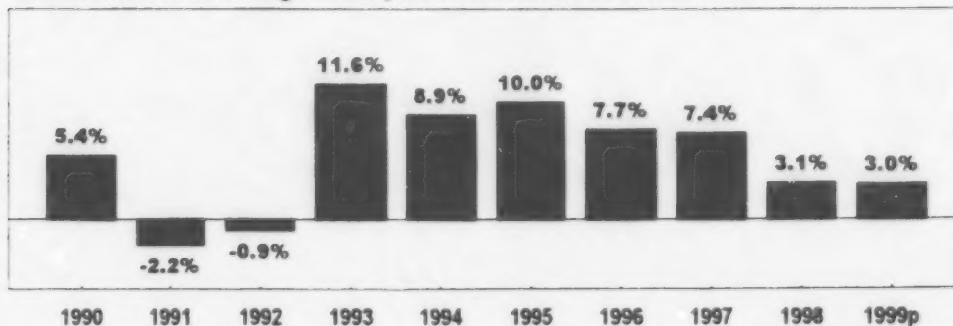


Table 23 Alberta Food and Beverage Industries, Selected Statistics, 1989-1999

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p	1999p
Number of Manufacturing Establishments (1)											
All Manufacturing Industries.....	3,032	2,827	2,635	2,512	2,439	2,385	2,509	2,876	2,804	-	-
Food and Beverage Industries.....	330	307	295	283	271	271	279	303	301	-	-
% Change From Previous Year.....	6.5	-7.0	-3.9	-4.1	-4.2	0.0	3.0	9.3	-1.3	-	-
% Share of All Manufacturing.....	10.9	10.9	11.2	11.3	11.1	11.4	11.1	10.6	10.7	-	-
No. of Employees per Establishment	46	50	53	60	64	63	62	60	63	-	-
Employment in Establishments (Production and Administrative Workers) (1)											
All Manufacturing Industries.....	91,785	91,404	91,286	88,330	90,935	94,436	99,225	107,788	120,546	-	-
Food and Beverage Industries.....	15,113	15,266	15,777	17,061	17,343	17,163	17,178	18,237	18,975	-	-
% Change From Previous Year.....	2.9	1.0	3.3	8.1	1.7	-1.0	0.1	6.2	4.0	-	-
% Share of All Manufacturing.....	16.5	16.7	17.3	19.3	19.1	18.2	17.3	16.9	15.7	-	-
Value of Manufacturing Shipments (\$ Millions) (1)											
All Manufacturing Industries.....	19,111.0	20,048.8	19,477.1	19,241.6	20,951.2	25,260.1	28,886.1	31,069.5	34,675.7	33,409.0	35,332.9
Food and Beverage Industries.....	4,636.3	4,868.8	4,782.7	4,738.8	5,286.9	5,758.8	6,334.6	6,820.3	7,323.8	7,549.4	7,772.5
% Change From Previous Year.....	2.8	5.4	-2.2	-0.9	11.6	8.9	10.0	7.7	7.4	3.1	3.0
% Share of All Manufacturing.....	24.3	24.4	24.6	24.6	25.2	22.8	21.9	22.0	21.1	22.6	22.0
Shipments Per Estblmt. (\$ Millions)	14.0	15.9	16.2	16.7	19.5	21.3	22.7	22.4	24.3	-	-
Value Added (\$ Millions) (1)											
All Manufacturing Industries.....	6,706.6	7,029.6	6,815.8	6,898.3	7,486.6	9,739.7	11,874.0	11,944.0	13,217.2	-	-
Food and Beverage Industries.....	956.0	1,067.9	1,229.1	1,256.2	1,278.3	1,488.5	1,685.3	1,836.2	1,816.3	-	-
% Change From Previous Year.....	-7.2	11.7	15.1	2.2	1.8	16.4	13.2	9.0	-1.1	-	-
% Share of All Manufacturing.....	14.3	15.2	18.0	18.2	17.1	15.3	14.2	15.4	13.7	-	-
Value Added as a % of Shipments.....	20.6	21.8	25.7	26.5	24.2	25.8	26.6	26.9	24.8	-	-
Employed Labour Force (Number of Persons) (2)											
All Manufacturing Industries.....	97,600	94,400	90,700	91,900	94,600	100,000	106,800	108,400	119,000	126,300	134,300
Food and Beverage Industries.....	18,600	18,700	17,200	16,800	19,100	17,000	19,100	19,800	19,500	20,400	19,000
% Change From Previous Year.....	-3.1	0.5	-8.0	-2.3	13.7	-11.0	12.4	3.7	-1.5	4.6	-6.9
% Share of All Manufacturing.....	19.1	19.8	19.0	18.3	20.2	17.0	17.9	18.3	16.4	16.2	14.1
Gross Domestic Product at Factor Cost in Constant (1992) Dollars (\$ Millions) (3)											
All Manufacturing Industries.....	4,993	5,464	5,485	5,387	5,994	6,945	7,260	7,587	8,559	8,891	-
Food and Beverage Industries.....	779	887	1,008	928	1,079	1,205	1,266	1,318	1,371	1,422	-
% Change From Previous Year.....	-9.9	13.9	13.6	-7.9	16.3	11.7	5.1	4.1	4.0	3.7	-
% Share of All Manufacturing.....	15.6	16.2	18.4	17.2	18.0	17.4	17.4	17.4	16.0	16.0	-
Capital Investment Expenditures (\$ Millions) (4)											
All Manufacturing Industries.....	(5)	(5)	1,122.1	1,464.5	1,485.8	1,136.7	1,314.0	1,251.4	1,571.7	2,396.7	2,407.2
Food and Beverage Industries.....	(5)	(5)	81.7	107.4	97.9	139.1	151.6	190.3	173.7	215.7	172.9
% Change From Previous Year.....	(5)	(5)	-	31.5	-8.8	42.1	9.0	25.5	-8.7	24.2	-19.8
% Share of All Manufacturing.....	(5)	(5)	7.3	7.3	6.6	12.2	11.5	15.2	11.1	9.0	7.2
International Exports (\$ Millions) (6)											
Total Agri-Food Exports.....	2,435.6	2,693.1	2,502.4	3,061.0	2,807.0	3,865.6	4,249.9	4,972.4	5,338.5	5,070.2	-
Food and Beverage Exports.....	448.6	519.8	489.2	651.2	819.5	1,051.0	1,199.6	1,398.5	1,670.3	1,792.3	-
% Change From Previous Year.....	1.1	15.9	-5.9	33.1	25.8	28.2	14.1	16.6	19.4	7.3	-
% Share of Total Agri-Food Exports...	18.4	19.3	19.5	21.3	29.2	27.2	28.2	28.1	31.3	35.3	-

(1) Source: Statistics Canada Cat. No. 31-203-XPB, "Manufacturing Industries of Canada, National and Provincial Areas" and Cat. No. 31-001-XPB, "Monthly Survey of Manufacturing"

(2) Source: Statistics Canada Cat. No. 71-001, "The Labour Force". Employed labour force refers to all persons aged 15 years or over who did any work during the reference period. Note: Data was revised from 1989 to 1999.

(3) Source: Alberta Treasury, Statistics

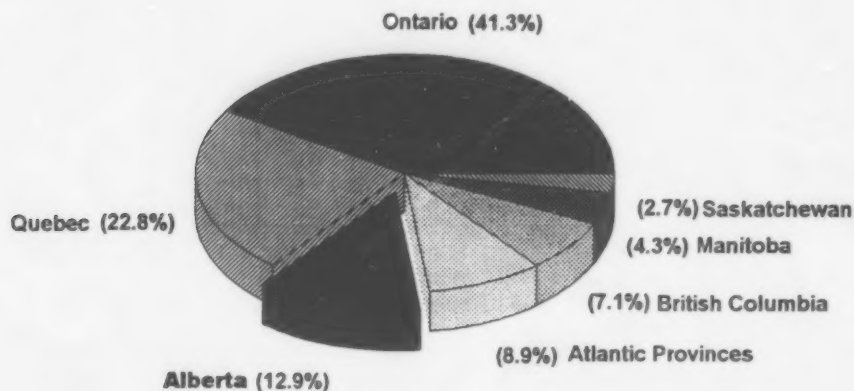
(4) Source: Statistics Canada Cat. No. 61-206, "Private and Public Investment in Canada". Capital investment refers to the cost of procuring, constructing and installing new durable plant and machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others.

(5) Comparable data are not available.

(6) Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development. Food and Beverage Exports refer to edible products including animal feeds.

Fig. 16 Distribution of 1999 Canadian Value of Food and Beverage Manufacturing Shipments

The majority of Canada's food and beverage manufacturing activity continues to take place in eastern Canada. In 1999, Ontario and Quebec manufacturing shipments accounted for about 64% of total Canadian shipments. At \$7.8 billion, Alberta shipments ranked third highest in the nation.



1999 Canada Food and Beverage Shipments = \$60.3 Billion

During the latest five-year period, food and beverage manufacturing activity in the prairie provinces was higher than most other regions in Canada. Between 1995 and 1999, Alberta reported a 22.7% gain in shipments, outpacing the national growth rate of 16.8%.

**Five-Year Per Cent Change in Food and Beverage Shipments
1999/1995**

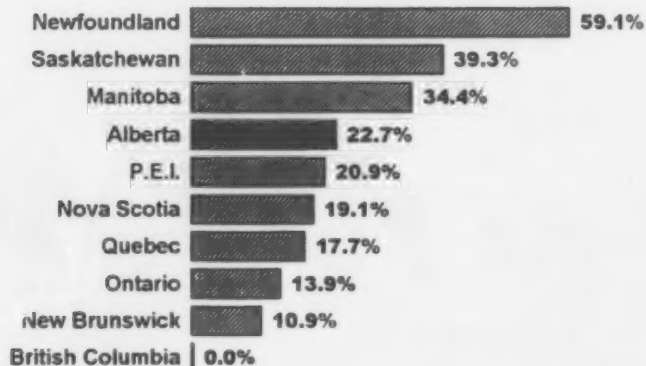


Table 24 Value of Shipments and Value Added for Alberta Food and Beverage Industries (Manufacturing Activity), 1993-1999

	1993	1994	1995	1996r	1997r	1998r	1999p
Value of Shipments (\$'000)							
Food Industries.....	4,783,924	5,248,776	5,796,510	6,270,002	6,682,074	6,865,491	7,038,608
Meat and Poultry Products.....	x	x	x	3,344,251	x	x	x
Meat and Meat Products (Excl. Poultry)...	2,673,472	2,830,564	2,962,478	x	3,393,701	3,518,823	3,862,890
Poultry Products.....	x	x	x	x	x	x	x
Fruit and Vegetables.....	136,354	151,494	142,915	x	146,907	152,228	163,731
Dairy Products.....	465,205	462,778	602,491	696,203	671,115	652,609	645,531
Fluid Milk.....	295,956	279,446	231,930	355,218	385,278	x	x
Other Dairy Products.....	169,249	183,332	370,561	340,985	285,837	x	x
Flour, Cereal Food and Feed.....	x	x	x	660,696	715,447	x	x
Cereal Grain Flour.....	97,509	119,456	127,363	x	156,169	135,304	151,450
Prepared Flour Mixes and Cereal Foods	x	x	x	x	29,461	x	x
Feed Industry.....	320,218	365,353	422,685	494,689	529,817	502,679	497,944
Vegetable Oil Mills (Excl. Corn Oil).....	x	x	x	x	x	x	x
Biscuit Industry.....	x	x	x	x	x	x	x
Bread and Other Bakery Products.....	126,281	135,674	137,363	111,539	167,048	174,867	168,832
Sugar and Sugar Confectionery.....	x	x	x	x	x	x	x
Sugar and Chocolate Confections.....	x	x	x	1,677	x	x	x
Other Food Products.....	369,128	433,985	474,846	603,049	x	674,107	681,104
Dry Pasta Products.....	x	x	x	x	x	x	x
Potato Chip, Pretzel and Popcorn.....	x	163,407	163,778	x	181,075	185,194	205,141
Malt and Malt Flour.....	x	x	x	x	x	x	x
Other Food Products n.e.c. (Incl. Malt)...	205,785	...	...	x	x	x	x
Other Food Products n.e.c. (Excl. Malt)...	...	150,773	175,322	245,547	295,610	x	x
Beverage Industries.....	502,955	510,024	538,110	550,341	641,709	683,895	733,899
Soft Drink Industry.....	240,270	250,614	266,564	309,812	306,385	319,650	337,927
Distillery Products.....	x	x	x	x	x	x	x
Brewery Products.....	183,500	x	175,902	x	x	257,337	264,824
Wine Industry.....	x	x	x	x	x	x	x
Food and Beverage Industries.....	5,286,879	5,758,800	6,334,620	6,820,343	7,323,783	7,549,386	7,772,507
Value Added (\$'000)							
Food Industries.....	1,003,000	1,211,305	1,454,904	1,580,150	1,485,774	-	-
Meat and Poultry Products.....	x	x	x	727,945	x	-	-
Meat and Meat Products (Excl. Poultry)...	389,094	346,230	506,864	x	485,307	-	-
Poultry Products.....	x	x	x	x	x	-	-
Fruit and Vegetables.....	60,145	64,306	56,717	x	63,522	-	-
Dairy Products.....	44,559	149,541	188,678	193,124	190,721	-	-
Fluid Milk.....	87,543	87,496	87,870	131,210	132,904	-	-
Other Dairy Products.....	(42,984)	62,045	100,808	61,914	57,817	-	-
Flour, Cereal Food and Feed.....	x	x	x	146,026	173,457	-	-
Cereal Grain Flour.....	13,841	27,493	25,277	x	51,047	-	-
Prepared Flour Mixes and Cereal Foods	x	x	x	x	3,734	-	-
Feed Industry.....	68,149	79,109	103,704	113,482	118,676	-	-
Vegetable Oil Mills (Excl. Corn Oil).....	x	x	x	x	x	-	-
Biscuit Industry.....	x	x	x	x	x	-	-
Bread and Other Bakery Products.....	82,064	92,621	87,882	66,208	104,641	-	-
Sugar and Sugar Confectionery.....	x	x	x	x	x	-	-
Sugar and Chocolate Confections.....	x	x	x	957	x	-	-
Other Food Products.....	168,750	218,606	229,732	220,786	x	-	-
Dry Pasta Products.....	x	x	x	x	x	-	-
Potato Chip, Pretzel and Popcorn.....	x	114,019	109,071	x	124,593	-	-
Malt and Malt Flour.....	x	x	x	x	x	-	-
Other Food Products n.e.c. (Incl. Malt)...	60,941	...	...	x	x	-	-
Other Food Products n.e.c. (Excl. Malt)...	...	49,027	54,563	54,286	61,710	-	-
Beverage Industries.....	275,269	277,163	230,438	256,076	330,518	-	-
Soft Drink Industry.....	103,048	85,131	77,949	106,397	99,438	-	-
Distillery Products.....	x	x	x	x	x	-	-
Brewery Products.....	115,880	x	107,521	x	x	-	-
Wine Industry.....	x	x	x	x	x	-	-
Food and Beverage Industries.....	1,278,269	1,488,468	1,685,342	1,836,226	1,816,292	-	-

Source: Statistics Canada Cat. No. 31-203-XPB, "Manufacturing Industries of Canada, National and Provincial Areas" and Cat. No. 31-001-XPB, "Monthly Survey of Manufacturing"

Table 25 Alberta Food and Beverage Industries, Manufacturing Statistics, 1997

	No. of Establishments	Manufacturing Activity				No. of Employees (Total Activity)	Salaries & Wages (Total Activity)
		Manufacturing Shipments		Value Added			
		Value	% of Total	Value	% of Shipments		
		\$'000	%	\$'000	%	No.	\$'000
Food Industries.....	284	6,682,074	91.2	1,485,774	22.2	17,435	527,195
Meat and Poultry Products Industries.....	80	x	-	x	-	x	x
Meat and Meat Products (Excluding Poultry)....	73	3,393,701	46.3	485,307	14.3	8,143	230,303
Poultry Products.....	7	x	6.9	x	-	x	x
Fish Products Industry.....	1	x	-	x	-	x	x
Fruit and Vegetable Industries.....	12	146,907	2.0	63,522	43.2	686	19,806
Canned and Preserved.....	9	50,698	0.7	14,504	28.6	465	12,841
Frozen.....	3	96,209	1.3	49,018	50.9	221	6,965
Dairy Products Industries.....	21	671,115	9.2	190,721	28.4	1,000	36,503
Fluid Milk.....	7	385,278	5.3	132,904	34.5	592	22,556
Other Dairy Products.....	14	285,837	3.9	57,817	20.2	408	13,947
Flour, Cereal Food and Feed Industries.....	80	715,447	9.8	173,457	24.2	1,792	57,044
Cereal Grain Flour.....	5	156,169	2.1	51,047	32.7	213	9,894
Prepared Flour Mixes and Cereal Foods.....	4	29,461	0.4	3,734	12.7	75	2,288
Feed Industry.....	71	529,817	7.2	118,676	22.4	1,504	44,862
Vegetable Oil Mills (Excluding Corn Oil)....	6	x	-	x	-	x	x
Bakery Products Industries.....	38	x	-	x	-	x	x
Biscuit.....	1	x	-	x	-	x	x
Bread and Other Bakery Products.....	37	167,048	2.3	104,641	62.6	1,502	45,982
Sugar and Sugar Confectionery Industries.	6	x	-	x	-	x	x
Cane and Beet Sugar.....	1	x	-	x	-	x	x
Sugar and Chocolate Confections.....	5	x	-	x	-	x	x
Other Food Products Industries.....	40	x	-	x	-	x	x
Tea and Coffee.....	1	x	-	x	-	x	x
Dry Pasta Products.....	5	x	-	x	-	x	x
Potato Chip, Pretzel and Popcorn.....	5	181,075	2.5	124,593	68.8	770	21,847
Malt and Malt Flour.....	2	x	-	x	-	x	x
Other Food Products n.e.c.	27	295,610	4.0	61,710	20.9	959	27,829
Beverage Industries.....	17	641,709	8.8	330,518	51.5	1,540	67,138
Soft Drink Industry.....	10	306,385	4.2	99,438	32.5	909	38,237
Distillery Products Industry.....	3	x	-	x	-	x	x
Brewery Products Industry.....	3	x	-	x	-	x	x
Wine Industry.....	1	x	-	x	-	x	x
Total Food and Beverage Industries							
Alberta.....	301	7,323,783		1,816,292		18,975	594,333
Canada.....	3,271	57,651,934		20,573,131		220,084	7,369,869
Alberta as Per Cent of Canada.....	9.2	12.7		8.8		8.6	8.1
All Manufacturing Industries							
Alberta.....	2,804	34,675,666		13,217,216		120,545	4,590,612
Food and Beverage Industries as a Per Cent of all Manufacturing Industries....	10.7	21.1		13.7		15.7	12.9

Source: Statistics Canada Cat. No. 31-203-XPB, "Manufacturing Industries of Canada, National and Provincial Areas"

Table 26 Edmonton Monthly Retail Food Price Indices (1), 1998 and 1999

		Beef	Pork	Fresh Fruit	Fresh Vegetables
		Jan 1988=100			
1998	Jan.....	98.74	114.92	117.59	112.96
	Feb.....	93.18	111.19	108.54	101.76
	Mar.....	89.92	108.76	110.55	110.56
	Apr.....	90.87	109.98	109.05	114.24
	May.....	97.17	114.60	128.14	118.40
	Jun.....	95.96	121.09	123.12	112.80
	Jul.....	97.48	120.36	128.14	124.48
	Aug.....	98.27	118.98	133.17	116.64
	Sep.....	98.27	116.46	128.14	92.64
	Oct.....	99.63	119.14	125.63	101.44
	Nov.....	100.10	118.25	130.65	100.16
	Dec.....	106.56	112.17	119.10	105.28
Average		97.18	115.49	121.82	109.28
1999	Jan.....	103.94	105.84	132.66	107.36
	Feb.....	104.57	106.24	119.60	98.56
	Mar.....	105.46	106.57	125.63	107.68
	Apr.....	106.30	108.52	134.17	106.08
	May.....	108.14	104.95	138.69	103.52
	Jun.....	105.67	101.62	146.73	116.64
	Jul.....	107.66	108.03	123.62	127.04
	Aug.....	104.51	103.97	125.63	130.08
	Sep.....	107.09	107.62	127.14	110.40
	Oct.....	105.35	105.92	132.16	101.76
	Nov.....	101.57	108.19	138.19	104.80
	Dec.....	108.98	114.03	137.69	117.12
Average		105.77	106.79	131.83	110.92

(1) Retail prices of over 70 food items are collected each week at representative stores of the major food chains in Edmonton. The prices are weighted to account for estimated market share held by each chain as well as the relative importance of each item in the total food-at-home budget.

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 17 Edmonton Monthly Retail Food Price Indices (Jan 1988=100), 1997-1999

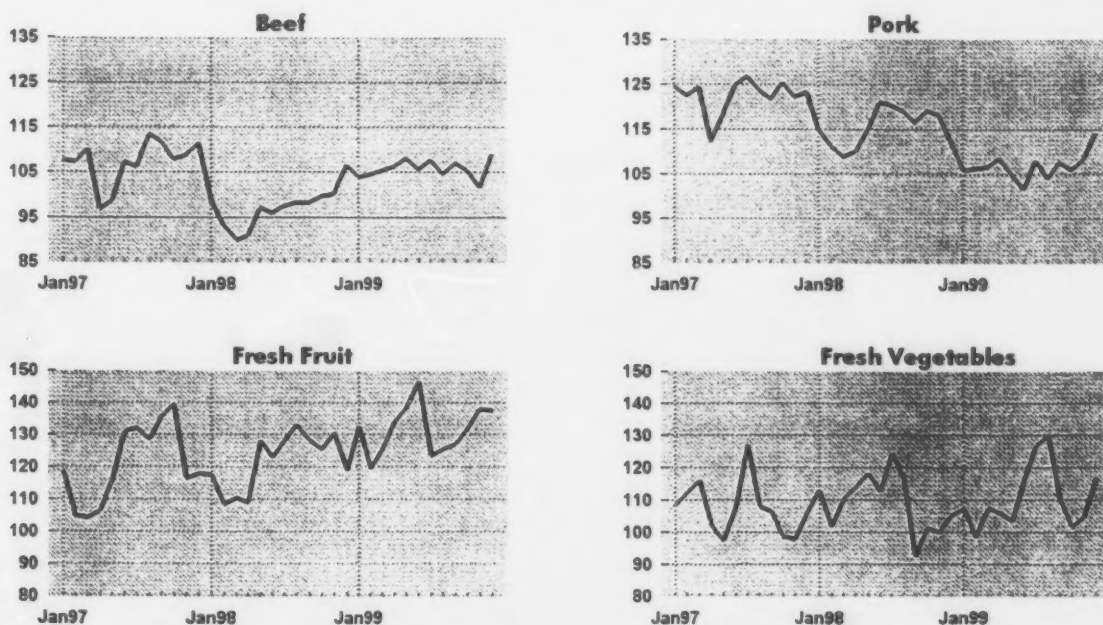


Table 27 Edmonton Nutritious Food Basket - Weekly Average Cost for a Family of Four (1), (Dollars), 1999

	Dairy Products	Eggs	Meat, Poultry & Fish	Meat Alternatives	Cereal & Bakery Products	Citrus Fruit & Tomatoes
Jan.....	24.31	2.26	20.30	3.99	23.05	8.82
Feb.....	24.37	2.25	19.91	4.04	23.31	6.99
Mar.....	24.23	2.22	19.79	4.13	22.72	7.57
Apr.....	24.32	2.22	20.23	4.19	23.14	7.60
May.....	24.48	2.34	19.62	4.16	23.56	8.14
Jun.....	24.45	2.25	19.46	4.23	23.47	8.08
Jul.....	24.53	2.40	19.88	4.15	23.27	6.83
Aug.....	23.86	2.29	20.06	4.19	23.85	6.51
Sep.....	24.42	2.23	19.87	4.25	23.37	6.91
Oct.....	24.50	2.08	19.58	4.12	22.97	7.04
Nov.....	24.44	2.37	19.85	4.08	23.04	7.56
Dec.....	24.74	2.31	20.56	4.11	23.32	7.96
Average	24.39	2.27	19.93	4.14	23.26	7.50

	Other Fruit	Potatoes	Other Vegetables	Fats & Oils	Sugars & Other Sweets	Total Weekly Cost (2)
Jan.....	9.01	3.68	14.90	3.98	1.49	115.80
Feb.....	9.35	3.79	15.35	3.91	1.52	114.77
Mar.....	9.68	3.86	15.88	3.77	1.43	115.26
Apr.....	9.93	4.00	16.05	3.98	1.49	117.14
May.....	9.67	3.84	15.66	4.20	1.48	117.14
Jun.....	10.66	4.96	16.97	3.99	1.42	119.93
Jul.....	10.01	6.61	16.38	4.14	1.52	119.72
Aug.....	10.43	7.11	16.24	4.17	1.45	120.17
Sep.....	10.51	5.48	14.66	4.09	1.50	117.30
Oct.....	9.99	5.17	14.83	3.89	1.48	115.65
Nov.....	10.52	5.15	13.59	4.10	1.54	116.24
Dec.....	10.82	5.10	15.08	4.09	1.50	119.59
Average	10.05	4.90	15.47	4.03	1.49	117.39

(1) The family is identified as a man and a woman (ages 25 to 49 years), a boy (age 13 to 15 years) and a girl (age 7 to 9 years).

(2) Add ten per cent to the total cost of the basket to cover condiments, baking supplies, tea, coffee, soft drinks, etc.; and iron supplement for pregnant women.

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 18 Edmonton Nutritious Food Basket - Weekly Average Cost in 1999

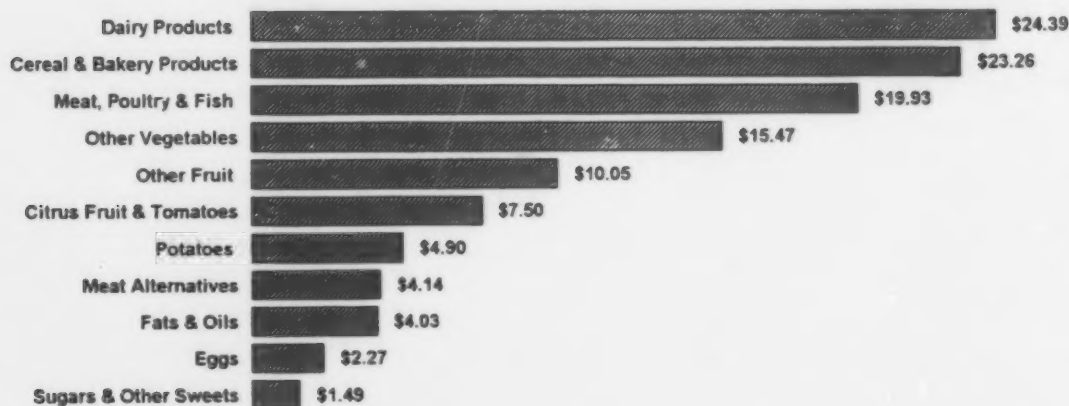


Table 28 Per Capita Consumption of Meats in Canada and United States, 1971-1998

	Beef		Veal		Mutton/Lamb		Pork		Poultry (1)	
	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada	U.S.	Canada	U.S.
	kg/year									
1971...	39.8	51.4	2.0	1.2	1.5	1.5	31.6	35.9	19.1	22.2
1972...	42.0	52.3	1.6	1.0	2.0	1.5	30.4	32.3	19.5	23.1
1973...	41.1	49.4	1.5	0.8	1.6	1.2	28.6	28.8	20.1	22.0
1974...	42.7	52.5	1.5	1.1	1.1	1.0	29.9	31.1	19.6	22.0
1975...	47.3	54.0	2.3	1.9	1.3	0.9	25.5	25.3	18.4	21.6
1976...	50.3	57.8	2.3	1.8	1.0	0.8	25.1	26.8	19.6	23.3
1977...	47.8	56.2	2.2	1.8	0.8	0.8	26.2	27.6	20.3	23.6
1978...	44.8	53.5	1.8	1.3	0.8	0.7	26.8	27.6	20.9	24.6
1979...	39.1	47.9	1.4	0.9	1.0	0.7	30.1	31.5	22.4	26.4
1980...	38.7	46.9	1.4	0.8	0.8	0.7	32.1	33.5	22.3	26.9
1981...	39.7	47.4	1.5	0.9	0.7	0.7	31.1	32.0	22.1	27.9
1982...	39.4	47.2	1.6	0.9	0.7	0.8	28.4	28.7	22.2	28.4
1983...	39.2	48.2	1.6	0.9	0.8	0.8	29.3	30.2	22.4	29.1
1984...	37.3	48.1	1.7	1.0	0.8	0.8	28.4	30.0	23.1	30.0
1985...	37.8	48.5	1.7	1.0	0.7	0.7	28.9	30.2	24.5	31.1
1986...	38.1	49.0	1.6	1.0	0.9	0.7	27.8	28.5	25.0	32.5
1987...	36.1	47.2	1.4	0.8	0.9	0.7	27.4	28.7	26.4	35.1
1988...	36.2	46.8	1.3	0.7	0.8	0.7	27.9	30.6	27.3	36.3
1989...	35.2	44.6	1.4	0.7	0.8	0.7	28.6	30.4	27.0	38.5
1990...	33.9	43.6	1.5	0.6	0.8	0.7	26.0	29.1	28.1	40.2
1991r.	33.3	43.3	1.5	0.5	0.9	0.7	25.9	29.4	28.3	41.7
1992r.	32.4	43.0	1.5	0.5	0.8	0.7	28.4	31.0	28.8	43.3
1993r.	31.1	42.2	1.4	0.5	0.9	0.7	27.6	30.6	29.1	44.1
1994r.	31.7	43.7	1.3	0.5	0.8	0.6	28.4	31.0	30.8	44.8
1995r.	31.7	44.0	1.4	0.5	0.8	0.6	27.8	30.6	30.5	44.7
1996r.	31.4	44.2	1.3	0.6	0.8	0.6	25.9	28.7	30.7	45.7
1997r.	30.9	43.4	1.4	0.5	0.7	0.5	25.3	28.5	31.7	46.2
1998r.	30.7	44.1	1.3	0.5	0.8	0.6	27.0	30.7	32.4	46.7

Note: Carcass weight figures for beef, veal, mutton/lamb and pork. Eviscerated (carcass) weight figures for total poultry.

(1) Total poultry includes stewing hens, chickens and turkeys.

Source: Statistics Canada Cat. No. 32-229, "Apparent Per Capita Food Consumption in Canada" and Cat. No. 23-603-XPE, "Livestock Statistics"; and United States Department of Agriculture (USDA), Economic Research Service

Fig. 19 Beef and Poultry Consumption in Canada and United States, 1971-1998

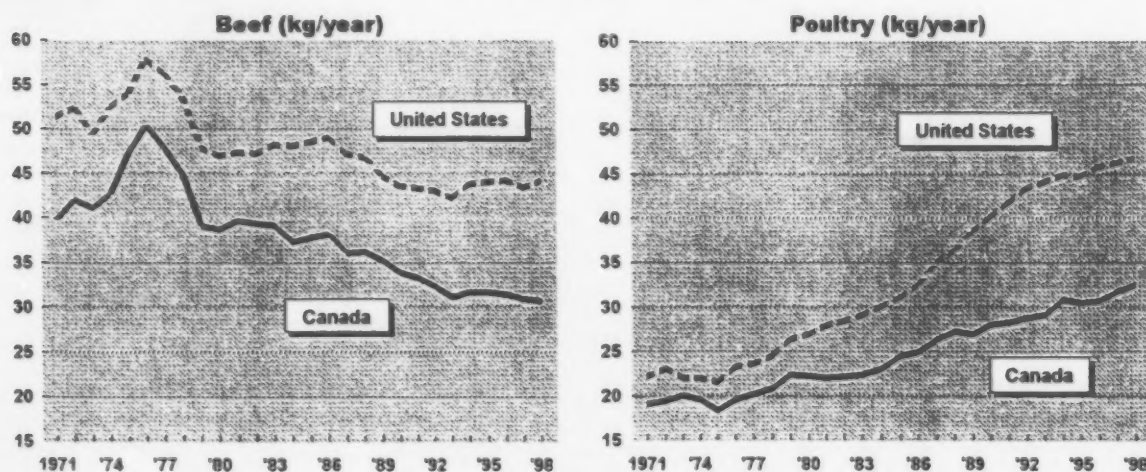


Table 29 Alberta Honey Statistics, 1984-1998

	No. of Beekeepers	No. of Colonies	Colonies Per Beekeeper	Honey				Value of Honey & Wax
				Yield per Colony	Production	Price	Value	
				kg	tonnes	\$/kg	\$000	
1984.....	1,600	180,000	113	70	12,542	1.07	13,410.3	13,699.3
1985.....	1,700	181,000	106	46	8,392	1.24	10,415.5	10,664.9
1986.....	1,700	190,000	112	57	10,886	1.32	14,400.0	14,595.0
1987.....	1,480	193,000	130	60	11,567	0.92	10,710.0	11,047.0
1988.....	1,140	150,000	132	70	10,433	0.88	9,200.0	9,511.0
1989.....	855	143,500	168	54	7,811	1.08	8,438.0	8,646.0
1990.....	840	152,000	181	70	10,566	1.28	13,552.0	13,767.0
1991.....	830	147,000	177	65	9,540	1.27	12,150.0	12,472.0
1992.....	800	148,000	185	71	10,473	1.30	13,544.0	13,965.0
1993.....	761	148,000	194	73	10,771	1.51	16,275.0	16,755.0
1994.....	750	159,000	212	88	14,064	1.50	21,139.6	21,728.7
1995.....	750	175,000	233	55	9,664	1.84	17,747.0	18,280.0
1996.....	750	175,000	233	53	9,169	2.76	25,337.0	25,994.0
1997.....	725	175,000	241	61	10,716	2.43	26,039.0	26,688.0
1998p....	730	205,000	281	85	17,389	1.96	34,000.0	34,900.0

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 20 Value of Honey and Wax Produced in Alberta, 1989-1998

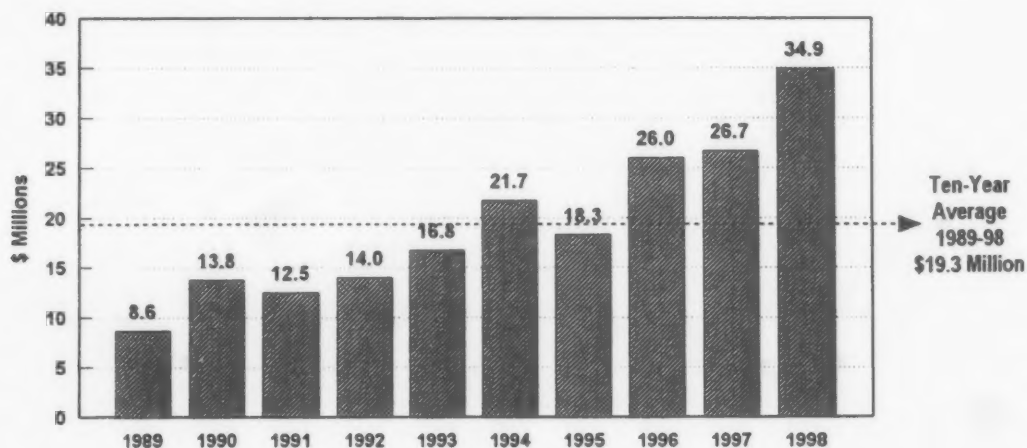


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International Export Estimates

International exports statistics are compiled by Statistics Canada according to the "General" system of trade defined by the Statistical Office of the United Nations. Under this system, domestic exports encompass all goods grown, extracted or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada. Exports are, in principle, valued or recorded at the values declared on export documents, which usually reflect the transaction value or the actual selling price. Canadian exports to other countries are valued at "Free on Board" port of exit basis, including freight charges to that point but net of discounts and allowances.

Export data are sourced from the International Trade Division of Statistics Canada. However, in a number of cases, revisions to Statistics Canada's export data are required to overcome inaccuracies resulting from the attribution of exports on a province of lading basis, rather than by province of origin. While this adjustment process does not generally result in a major difference, it nevertheless, results in more reliable provincial data at the commodity level. Revisions of export data are conducted by the Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development.

1998 Alberta Agri-Food Exports

The following highlights are based on Statistics Canada's revisions of trade data conducted at the end of 1999. Due to these revisions, export data on wheat, barley and canola seed have been significantly altered.

In 1998, according to Statistics Canada's revisions, Alberta exported \$5.0 billion worth of agricultural and food products to countries around the world. 1998 agri-food exports were down 5.5 per cent from the previous year partially due to lower exports of wheat, barley and other grains. This followed four years of steady growth culminating in a record \$5.3 billion in 1997. From a national perspective, Alberta accounted for 22 per cent of Canadian total agri-food exports valued at \$22.8 billion in 1998, up marginally from \$22.6 billion in 1997. Alberta is the second largest provincial agri-food exporter in Canada after the province of Ontario.

1998 ALBERTA TOP TEN AGRI-FOOD EXPORT COMMODITIES

	\$ Millions	
1. Wheat	1,178	} These top ten commodities accounted for 80 per cent of Alberta's total agri-food exports in 1998.
2. Beef (including edible offal)	941	
3. Live Cattle (excluding purebred)	694	
4. Canola Seed	558	
5. Canola Oil (crude and refined)	150	
6. Oilseed Cake and Meal	135	
7. Raw Hides and Skins	135	
8. Barley	121	
9. Pork	86	
10. Live Hogs	86	

- Growth in **exports of value added processed products** continued in 1998, although at a slower pace - from a double digit gain of 20 per cent in 1997 to 6.6 per cent in 1998. This latest gain was driven by larger purchases of beef, oilseed cake and meal and cereal preparations. In comparison, exports of primary commodities (animals and crops) fell 12.7 per cent to \$2.9 billion. Reduced shipments of wheat and barley to Asia, the Middle East and South America, as well as falling global grain prices, contributed to this decline.
- **Wheat**, historically Alberta's largest agri-food export commodity, fell to its lowest level in the last three years. Revenue dropped 27 per cent to \$1.2 billion in 1998 (revised) from \$1.6 billion a year earlier. As well, the proportion of wheat export value of total agri-food export revenues declined to 23 per cent from 30 per cent in 1997. Export quantity was also down by 26 per cent to 5.2 million tonnes, from 7.1 million tonnes in 1997. In comparison, **barley** exports fell even more sharply by about 50 per cent, both in value (\$121 million) and quantity (606,337 tonnes).
- Exports of **canola seed** rose 35 per cent to \$558 million (revised) from \$414 million in 1997. Export quantity grew 42 per cent to 1.3 million tonnes. However, the 1998 sales of canola seed to Japan, Alberta's major market for this commodity, declined 14 per cent to \$246 million. The decline was more than offset by higher exports to China, Hong Kong, United States and Mexico. Among the other oilseeds, flaxseed and mustard seed posted declines of 30 per cent and 16 per cent, respectively.
- Shipments of **live cattle** (excluding purebred) grew 5.7 per cent to \$694 million in 1998, while quantity was down 2.4 per cent to 574,677 head. On other hand, sales of **live hogs** rose 40 per cent to \$86 million and the number surged 88 per cent to 684,079 head. Increased exports of live hogs to the U.S. contributed to the growth.
- In 1998, a sharp decline in pork exports was offset by higher exports of hogs. **Pork** exports fell 52 per cent to \$86 million, the lowest level in five years (1994-1998). On the positive side, **beef exports** continued to grow, increasing 36 per cent to \$941 million and 20 per cent in quantity to 260,404 tonnes. The growth in beef exports was due to larger shipments to United States and Japan. In 1998, beef was the second largest export commodity in terms of value.

1998 Alberta Agri-Food Exports - Cont'd

1998 ALBERTA TOP TEN AGRI-FOOD MARKETS

	<u>\$ Millions</u>	
1. United States	2,652	} Exports to these ten largest markets accounted for 83 per cent of Alberta's total agri-food exports in 1998.
2. Japan	675	
3. China, P. Rep.	277	
4. Mexico	178	
5. Indonesia	83	
6. South Korea	80	
7. Algeria	73	
8. Iran	63	
9. Italy	61	
10. Colombia	52	

- **The United States** remains Alberta's most important export destination. At \$2.7 billion in 1998, exports were up about 10 per cent, double the growth rate in 1997. During the last five years, revenue from exports to the U.S. accounted for an average 48 per cent of Alberta's total agri-food exports. In 1998, its share rose to 52 per cent from 45 per cent in 1997.
- The 1998 increase in Alberta's exports to the U.S. resulted from higher exports of beef, live hogs, canola seed, oilseed cake and meal and cereal preparations. Partially offsetting these increases were lower shipments (value and quantity) of wheat, barley, oats and pork.
- Following a decline in 1997, the number of live cattle exported to the U.S. fell 2.4 per cent to 574,677 head while export value rose 5.7 per cent to \$694 million. Beef exports continued to show steady growth, rising 19 per cent in quantity to 231,333 tonnes and 36 per cent in value to \$843 million. On the other hand, shipments of pork declined 32 per cent in quantity and 46 per cent in value due to higher sales of live hogs. In 1998, exports of live hogs rose significantly by about 90 per cent to 684,026 head and value was up 41 per cent to \$86 million.
- Factors contributing to the sustained growth in exports to the U.S. include the low value of the Canadian dollar relative to the U.S. dollar and the two free trade agreements: the Canada-U.S. Free Trade Agreement (FTA) implemented in 1989; and the North American Free Trade Agreement (NAFTA) implemented in 1994.
- **1998 marks the tenth anniversary of the Canada-U.S Free Trade Agreement (FTA).** Since the FTA, the U.S. market share of Alberta's agri-food exports has expanded from 30 per cent in 1989 to 52 per cent in 1998. During the last ten years, revenues from exports to the U.S. more than tripled, rising from \$722 million in 1989 to a record high of \$2.7 billion in 1998. Exports of value added processed agri-food products increased significantly (453 per cent) from \$279 million in 1989 to \$1.5 billion in 1998. These products include fresh, frozen and processed meats, canola oil, processed alfalfa, beverages, bakery products, other cereal preparations, animal feeds and other manufactured foods. In comparison, exports of primary commodities (animals and crops) rose 151 per cent from \$443 million to \$1.1 billion in 1998. In 1989, Alberta's agri-food exports to U.S. consisted of 61 per cent of primary commodities and 39 per cent of value added processed products. By 1998, the share of value added products had grown to 58 per cent.
- Exports to **Japan**, Alberta's second largest market, declined 11 per cent to \$675 million (revised) from \$759 million in 1997. Significant declines occurred in exports of grains, oilseeds and pork. Sales of canola seed, which traditionally account for about 40 per cent of Alberta's agri-food exports to Japan, declined 14 per cent to \$246 million. Increases were posted in exports of beef, prepared animal feeds and canola oil. Exports of beef rose sharply by 41 per cent to \$65 million and sales of canola oil grew 50 per cent to \$23 million. Revenues from exports to the **People's Republic of China**, Alberta's third largest market, rose significantly by 55 per cent to \$277 million from \$179 million in 1997. Increased exports of canola seed (\$160 million) contributed to this growth.
- With the exception of the United States, Central America and Africa, exports to all other major regions were down in 1998. Overall exports to the Asia region (26 per cent of total) dropped 15 per cent from the previous year. Exports were down to the Middle East (63 per cent) and to South America (25 per cent).

Table 30 Value of Alberta International Agri-Food Exports, 1988-1998

	Exports to All Countries	% Chg.	Exports to the United States	% Chg.	Exports to All Other Countries	% Chg.
	\$'000		\$'000		\$'000	
1988.....	2,430,699		596,683		1,834,016	
1989 (1)...	2,435,583	0.2	722,082	21.0	1,713,501	-6.6
1990.....	2,693,053	10.6	756,695	4.8	1,936,358	13.0
1991.....	2,502,454	-7.1	787,728	4.1	1,714,726	-11.4
1992.....	3,060,950	22.3	1,157,890	47.0	1,903,060	11.0
1993r.....	2,806,971	-8.3	1,408,592	21.7	1,398,379	-26.5
1994r (2).	3,865,601	37.7	1,908,276	35.5	1,957,325	40.0
1995r.....	4,249,863	9.9	1,977,285	3.6	2,272,578	16.1
1996r.....	4,972,360	17.0	2,309,657	16.8	2,662,703	17.2
1997r.....	5,338,481	7.4	2,419,409	4.8	2,919,072	9.6
1998r.....	5,047,030	-5.5	2,651,589	9.6	2,395,441	-17.9

(1) Establishment of the 1989 Canada and United States Free Trade Agreement (FTA).

(2) Establishment of the 1994 Canada, United States and Mexico North American Free Trade Agreement (NAFTA).

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 21 Growth in Alberta Agri-Food Exports Since the Establishment of Free Trade Agreements, 1989-1998

Per Cent Change Since the
Establishment of the:

**1989 Free Trade Agreement
(FTA): 1989-1998**

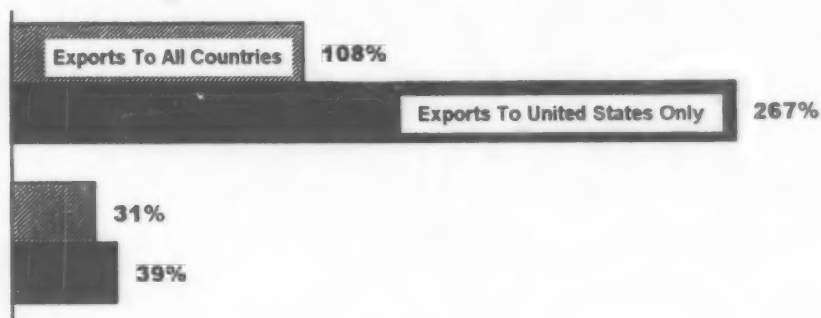


Fig. 22 Value of Alberta Agri-Food Exports to All Countries, 1989-1998

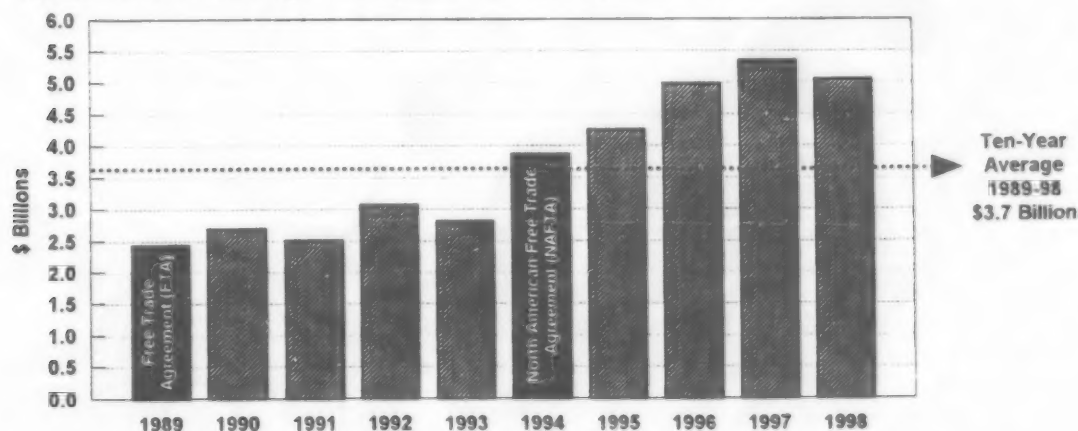


Table 31 Value of International Agri-Food Exports by Type of Product, Alberta and Canada, 1988-1998

	Primary Commodities	Value Added Processed Products	Total Agri-Food Exports	Primary Commodities	Value Added Processed Products	Total Agri-Food Exports
	\$'000			Per Cent Change From Previous Year		
ALBERTA						
1988.....	1,818,588	612,111	2,430,699			
1989 (1)....	1,815,491	620,092	2,435,583	-0.2	1.3	0.2
1990.....	1,992,013	701,040	2,693,053	9.7	13.1	10.6
1991.....	1,842,975	659,479	2,502,454	-7.5	-5.9	-7.1
1992.....	2,220,673	840,277	3,060,950	20.5	27.4	22.3
1993r.....	1,785,435	1,021,536	2,806,971	-19.6	21.6	-8.3
1994r (2)...	2,589,172	1,276,429	3,865,601	45.0	25.0	37.7
1995r.....	2,777,258	1,472,605	4,249,863	7.3	15.4	9.9
1996r.....	3,293,172	1,679,188	4,972,360	18.6	14.0	17.0
1997r.....	3,326,679	2,011,802	5,338,481	1.0	19.8	7.4
1998r.....	2,902,768	2,144,262	5,047,030	-12.7	6.6	-5.5
<u>Ten-Year Average: 1989-1998</u>	2,454,564	1,242,671	3,697,235	59.9	245.8	107.2
<u>Five-Year Average: 1994-1998</u>	2,977,810	1,716,857	4,694,667	12.1	68.0	30.6
CANADA						
1988.....	6,864,373	4,086,148	10,950,521			
1989 (1)....	5,420,347	3,946,264	9,366,611	-21.0	-3.4	-14.5
1990.....	6,354,044	4,444,277	10,798,321	17.2	12.6	15.3
1991.....	6,615,509	4,503,252	11,118,761	4.1	1.3	3.0
1992.....	7,798,260	5,566,929	13,365,189	17.9	23.6	20.2
1993r.....	6,703,956	6,782,375	13,486,331	-14.0	21.8	0.9
1994r (2)...	8,532,468	7,106,273	15,638,741	27.3	4.8	16.0
1995r.....	9,639,372	8,044,310	17,683,682	13.0	13.2	13.1
1996r.....	10,707,513	9,479,991	20,187,504	11.1	17.8	14.2
1997r.....	11,692,416	10,955,274	22,647,690	9.2	15.6	12.2
1998r.....	10,848,136	11,956,452	22,804,588	-7.2	9.1	0.7
<u>Ten-Year Average: 1989-1998</u>	8,431,202	7,278,540	15,709,742	100.1	203.0	143.5
<u>Five-Year Average: 1994-1998</u>	10,283,981	9,508,460	19,792,441	27.1	68.3	45.8
Alberta Agri-Food Exports to the United States						
1988.....	349,212	247,471	596,683			
1989 (1)....	442,568	279,514	722,082	26.7	12.9	21.0
1990.....	410,108	346,587	756,695	-7.3	24.0	4.8
1991.....	401,362	386,366	787,728	-2.1	11.5	4.1
1992.....	618,890	539,000	1,157,890	54.2	39.5	47.0
1993r.....	725,183	683,411	1,408,594	17.2	26.8	21.7
1994r (2)...	1,012,288	895,988	1,908,276	39.6	31.1	35.5
1995r.....	1,059,810	917,475	1,977,285	4.7	2.4	3.6
1996r.....	1,162,246	1,147,411	2,309,657	9.7	25.1	16.8
1997r.....	1,100,062	1,319,347	2,419,409	-5.4	15.0	4.8
1998r.....	1,108,508	1,543,082	2,651,590	0.8	17.0	9.6
<u>Ten-Year Average: 1989-1998</u>	804,103	805,818	1,609,921	150.5	452.1	267.2
<u>Five-Year Average: 1994-1998</u>	1,088,583	1,164,661	2,253,243	9.5	72.2	39.0

Note: Primary commodities refer to raw commodities (animals and crops). Value added products refer to processed products and by-products of manufacture.

(1) Establishment of the 1989 Canada and United States Free Trade Agreement (FTA).

(2) Establishment of the 1994 Canada, United States and Mexico North American Free Trade Agreement (NAFTA).

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 23 Alberta Agri-Food Exports of Primary Commodities and Value Added Processed Products, 1994-1998

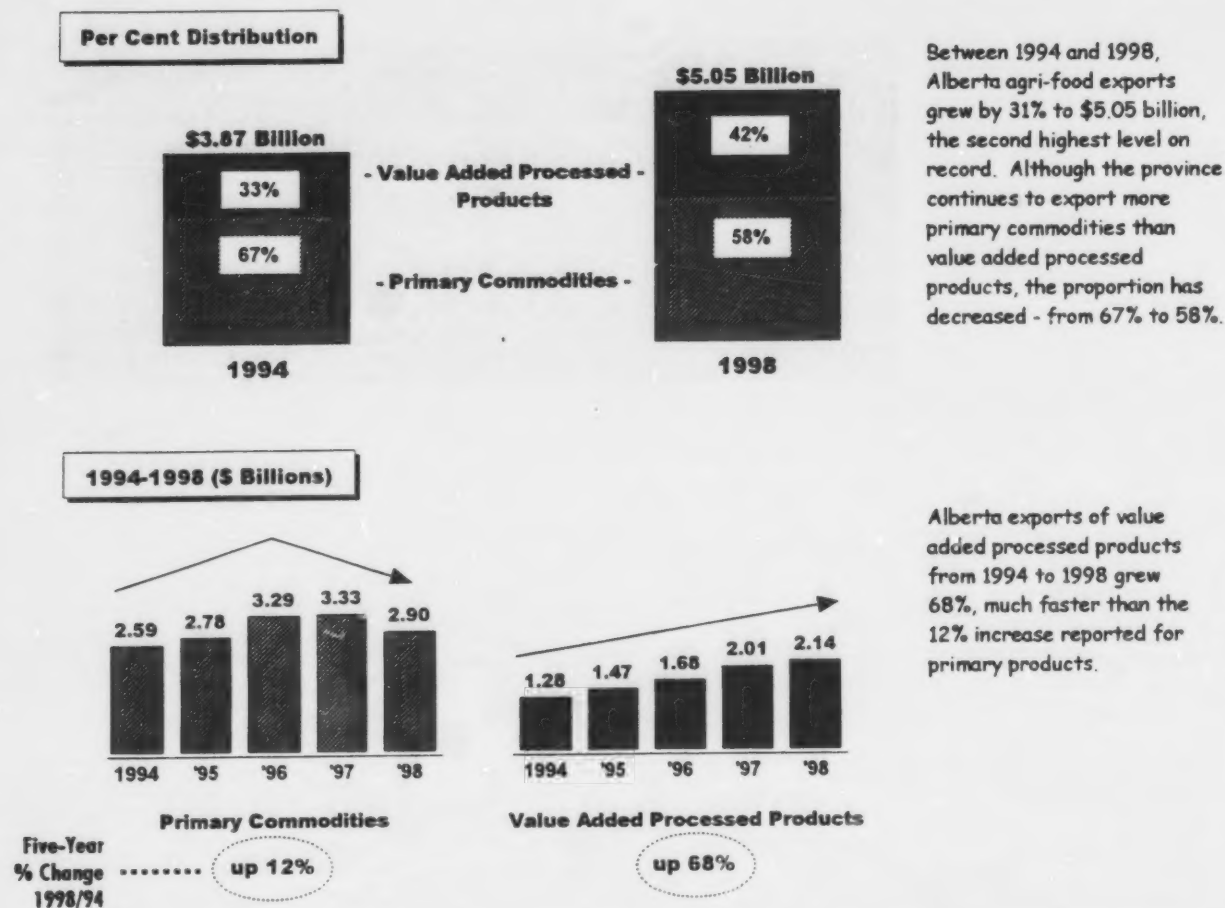


Fig. 24 Alberta's Top Five Agri-Food Export Markets in 1998

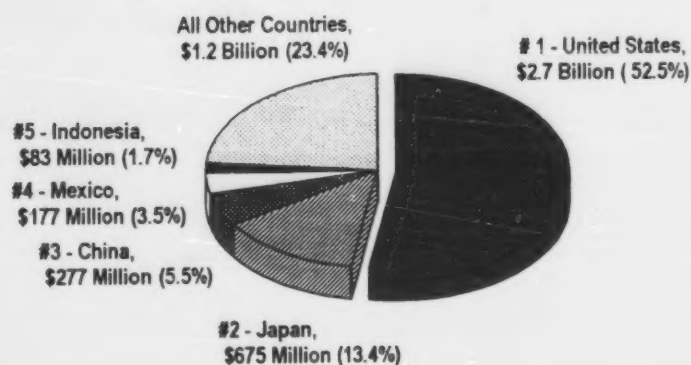


Fig. 25 Alberta's Top Five Agri-Food Export Commodities in 1998

	\$ Millions	% Share
Wheat.....	1,178.4	23.3%
Beef.....	940.9	18.6%
Live Cattle....	694.8	13.8%
Canola Seed..	558.0	11.1%
Canola Oil & Mustard Oil..	150.4	3.0%

Table 32 Value of Alberta International Agri-Food Exports by Commodity, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
	\$'000						\$'000	
Animals and Crops								
Live Cattle, Purebred.....	1,174	226	1,222	4,267	539	-87.4	1,486	0.0
Live Cattle, Other.....	600,358	690,352	745,979	656,685	694,232	5.7	677,521	14.4
Live Hogs.....	18,969	51,300	72,568	61,535	85,964	39.7	58,067	1.2
Other Live Animals.....	12,344	11,660	11,677	15,559	16,572	6.5	13,562	0.3
Barley.....	233,396	184,818	346,567	267,739	121,247	-54.7	230,753	4.9
Wheat.....	945,570	1,067,135	1,479,222	1,603,896	1,178,427	-26.5	1,254,850	26.7
Oats.....	50,344	64,206	57,227	61,991	38,418	-38.0	54,437	1.2
Other Cereal Unmilled.....	8,834	11,679	9,684	10,400	4,990	-52.0	9,117	0.2
Peas.....	58,484	72,383	75,939	86,321	69,167	-19.9	72,459	1.5
Other Pulses (Lentils and Beans).....	11,549	16,284	14,152	20,853	16,008	-23.2	15,769	0.3
Fruits and Vegetables (Incl. Potatoes)....	15,895	18,331	29,437	28,073	33,424	19.1	25,032	0.5
Canola Seed.....	551,524	508,219	372,233	413,799	557,996	34.8	480,754	10.2
Other Oilseeds.....	44,160	31,443	34,214	30,150	23,709	-21.4	32,735	0.7
Fodder and Canary Seed.....	36,571	49,222	43,051	65,411	62,075	-5.1	51,266	1.1
Sub-Total.....	2,589,172	2,777,258	3,293,172	3,326,679	2,902,768	-12.7	2,977,810	63.4
Crude Animal and Plant Products	180,847	204,037	216,649	271,192	277,018	2.1	229,949	4.9
Processed Crop and Animal Products								
Meats (1) - Total.....	565,677	612,969	768,199	968,695	1,100,237	13.6	803,155	17.1
Beef (incl. edible offal).....	386,521	397,220	506,763	693,360	940,923	35.7	584,957	12.5
Pork (incl. edible offal).....	96,268	124,555	150,321	177,997	85,980	-51.7	127,024	2.7
Horse Meat.....	37,703	44,295	47,777	59,388	62,501	5.2	50,333	1.1
Other Meats (Poultry, Sheep, Bison)....	357	1,269	3,140	3,355	4,053	20.8	2,435	0.1
Processed Meat.....	44,828	45,630	60,198	34,595	6,780	-80.4	38,406	0.8
Dairy Products.....	9,318	18,160	23,163	18,019	6,743	-62.6	15,081	0.3
Eggs.....	101	87	659	67	2	-97.0	183	0.0
Honey.....	6,824	9,238	4,174	6,369	10,276	61.3	7,376	0.2
Wheat Flour.....	11,437	7,818	5,669	7,630	5,900	-22.7	7,691	0.2
Other Cereals Milled and Prepared.....	67,736	92,880	127,318	120,485	117,405	-2.6	105,165	2.2
Oilseed Cake and Meal.....	81,319	101,214	92,947	93,033	135,500	45.6	100,803	2.1
Alfalfa (Dehydrated).....	30,403	41,293	29,020	26,235	17,516	-33.2	28,893	0.6
Feeds and Feed Preparations.....	75,485	91,043	124,077	141,332	107,762	-23.8	107,940	2.3
Whisky.....	31,096	34,786	40,673	39,079	44,254	13.2	37,978	0.8
Other Beverages and Tobacco.....	5315	4979	7500	10157	12,609	24.1	8,112	0.2
Tallow.....	44,581	68,941	64,014	70,313	74,947	6.6	64,559	1.4
Canola Oil and Mustard Oil.....	132,755	149,624	130,443	176,479	150,429	-14.8	147,946	3.2
Other Food Products, Oils and Sugar....	33,535	35,536	44,683	62,717	83,664	33.4	52,027	1.1
Sub-Total.....	1,095,582	1,268,568	1,462,539	1,740,610	1,867,244	7.3	1,486,909	31.7
Total Exports.....	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	100.0

Note: Crude Animal and Plant Products includes inedible products such as raw hides, skins and other crude animal products, seeds for sowing, nursery stock, peat moss, etc.

(1) Refers to fresh, chilled, frozen meat and includes edible offal

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 33 Quantity of Alberta International Agri-Food Exports by Commodity, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98
	head						head
Purebred Cattle.....	417	52	341	1,509	319	-78.9	528
Other Live Cattle.....	500,726	598,447	729,046	588,807	574,677	-2.4	598,341
Total Cattle.....	501,143	598,499	729,387	590,316	574,996	-2.6	598,868
Live Hogs.....	146,947	361,599	440,463	364,915	684,079	87.5	399,601
	tonnes						tonnes
Meats (1)							
Beef.....	131,785	134,335	179,472	217,479	260,404	19.7	184,695
Pork.....	33,155	43,276	47,929	55,957	32,817	-41.4	42,627
Horse.....	7,835	8,859	8,600	12,633	12,509	-1.0	10,087
Other Meats and Preparations....	11,512	12,234	13,931	8,732	4,128	-52.7	10,107
Honey.....	3,401	4,386	1,356	2,343	4,160	77.6	3,129
Barley.....	1,702,945	1,016,677	1,499,640	1,327,340	606,337	-54.3	1,230,588
Wheat.....	5,908,261	4,631,303	5,273,038	7,101,924	5,232,947	-26.3	5,629,495
Oats.....	408,419	429,976	282,494	326,117	235,578	-27.8	336,517
Other Cereals (Unmilled).....	56,676	70,730	45,193	45,111	24,519	-45.6	48,446
Wheat Flour.....	33,908	18,109	10,512	16,537	11,906	-28.0	18,194
Malt of Barley.....	149,433	189,752	174,936	185,342	185,415	0.0	176,976
Peas.....	226,143	276,221	238,956	281,232	272,311	-3.2	176,976
Oilseed Cake and Meal.....	435,397	531,533	388,229	377,804	602,371	59.4	258,973
Alfalfa (Dehydrated).....	193,019	251,901	166,661	131,345	91,140	-30.6	467,067
Seeds for Sowing.....	15,938	18,315	19,503	28,093	24,537	-12.7	166,813
Canola Seed.....	1,448,142	1,218,320	863,818	943,173	1,336,179	41.7	21,277
Mustard Seed.....	67,623	36,111	45,929	33,760	26,175	-22.5	1,161,926
Flaxseed / Linseed.....	49,482	40,556	38,306	33,101	20,411	-38.3	41,920
Peat Moss.....	90,549	79,211	75,661	113,937	162,482	42.6	36,371
Tallow.....	86,767	104,905	104,095	113,916	121,062	6.3	104,368
Canola Oil and Mustard Oil.....	156,139	170,009	145,941	205,314	230,667	12.3	106,149

(1) Refers to fresh, chilled and frozen meat and includes edible offal.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 26 Quantity of Wheat, Barley and Canola Exported From Alberta, 1994-1998

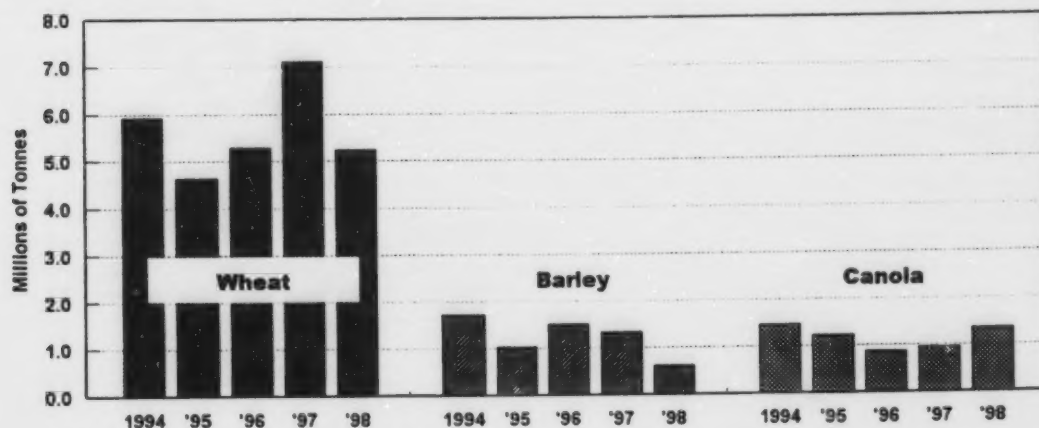


Table 34 Value of Alberta Agri-Food Exports by Region, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
	\$'000						\$'000	
United States.....	1,908,276	1,977,285	2,309,657	2,419,409	2,651,589	9.6	2,253,243	48.0
Asia.....	1,129,750	1,414,991	1,516,955	1,572,857	1,333,222	-15.2	1,393,555	29.7
- Japan.....	571,489	702,608	695,606	759,232	675,159	-11.1	680,819	14.5
- China, P. Rep.....	200,684	420,757	445,519	179,386	277,307	54.6	304,731	6.5
- Other Asia.....	357,577	291,626	375,830	634,239	380,756	-40.0	408,006	8.7
Middle East.....	140,254	129,902	268,688	390,060	146,036	-62.6	214,988	4.6
- Iran.....	84,636	104,693	154,638	229,833	62,858	-72.7	127,332	2.7
- Saudi Arabia.....	21,988	7,457	79,626	75,124	4,633	-93.8	37,766	0.8
- Other Middle East.....	33,630	17,752	34,424	85,103	78,545	-7.7	49,891	1.1
South America.....	163,872	135,256	335,329	269,423	203,165	-24.6	221,409	4.7
- Brazil.....	87,514	57,827	127,205	73,136	42,326	-42.1	77,602	1.7
- Colombia.....	21,596	28,408	68,755	57,466	52,515	-8.6	45,748	1.0
- Other South America.....	54,762	49,021	139,369	138,821	108,324	-22.0	98,059	2.1
Western Europe.....	317,131	311,633	233,716	251,739	231,188	-8.2	269,081	5.7
- European Union (1).....	300,105	301,701	223,992	236,051	216,868	-8.1	255,743	5.4
- Other Western Europe.....	17,026	9,932	9,724	15,688	14,320	-8.7	13,338	0.3
Africa.....	67,592	128,975	104,769	195,170	228,777	17.2	145,057	3.1
- Algeria.....	53,706	72,463	66,806	107,621	73,153	-32.0	77,750	1.6
- Other Africa.....	13,886	56,512	37,963	87,549	155,624	77.8	70,307	1.5
Central America.....	125,306	140,149	181,240	198,299	233,924	18.0	175,784	3.7
- Mexico.....	109,875	120,765	143,965	144,605	177,812	23.0	139,404	3.0
- Other Central America.....	15,431	19,384	37,275	53,694	56,112	4.5	36,379	0.8
Eastern Europe.....	9,196	5,270	12,928	12,266	8,398	-31.5	9,612	0.2
- Poland.....	1,108	2,815	9,888	2,959	5,600	89.3	4,474	0.1
- Russia.....	302	822	1,874	5,096	1,282	-74.8	1,875	0.0
- Other Eastern Europe.....	7,786	1,633	1,166	4,211	1,516	-64.0	3,262	0.1
Oceania.....	4,217	6,395	9,070	29,257	10,731	-63.3	11,934	0.3
- Australia.....	2,910	3,046	2,965	4,486	3,369	-24.9	3,355	0.1
- New Zealand.....	1,286	3,320	5,587	23,322	7,350	-68.5	8,173	0.2
- Other Oceania.....	21	29	518	1,449	12	-99.2	406	0.0
Other North America.....	7	7	8	1	-	-	-	-
Total Exports.....	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	100.0

(1) European Union includes 15 countries: Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, United Kingdom. As of January, 1995, new members included Austria, Finland and Sweden.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 27 Alberta Agri-Food Exports by Region, Per Cent Change 1998/1997

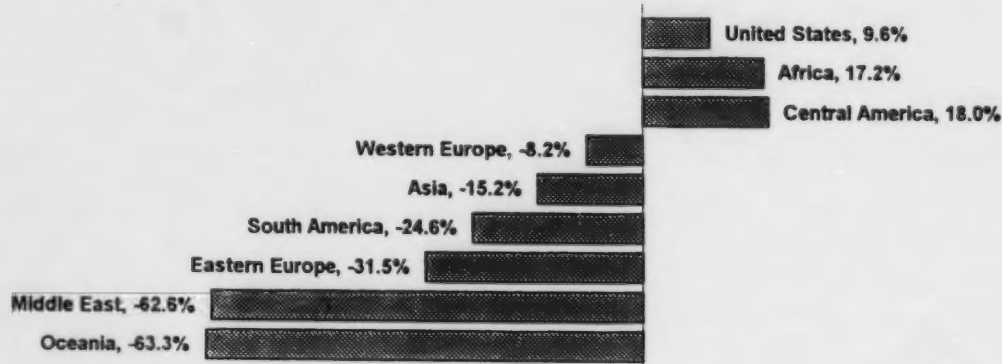


Table 35 Value of Alberta Agri-Food Exports by Country, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
	\$'000						\$'000	
Top Five Export Markets in 1998								
United States.....	1,908,276	1,977,285	2,309,657	2,419,409	2,651,589	9.6	2,253,243	48.0
Japan.....	571,489	702,608	695,606	759,232	675,159	-11.1	680,819	14.5
China, P. Rep.....	200,684	420,757	445,519	179,386	277,307	54.6	304,731	6.5
Mexico.....	109,875	120,765	143,965	144,605	177,812	23.0	139,404	3.0
Indonesia.....	51,758	31,799	118,539	128,496	83,452	-35.1	82,809	1.8
Remaining Markets								
Korea, South.....	171,608	64,676	111,162	177,802	79,546	-55.3	120,959	2.6
Algeria.....	53,706	72,463	66,806	107,621	73,153	-32.0	74,750	1.6
Iran.....	84,636	104,693	154,638	229,833	62,858	-72.7	127,332	2.7
Italy.....	27,216	37,695	46,566	56,099	60,615	8.1	45,638	1.0
Colombia.....	21,596	28,408	68,755	57,466	52,515	-8.6	45,748	1.0
Emirates, U.A.....	268	2,796	406	30,316	51,399	69.5	17,037	0.4
Taiwan.....	41,860	59,685	45,156	60,385	44,188	-26.8	50,255	1.1
Brazil.....	87,514	57,827	127,205	73,136	42,326	-42.1	77,602	1.7
Venezuela.....	12,237	19,652	57,668	46,760	37,401	-20.0	34,744	0.7
Belgium.....	94,907	96,180	51,217	76,851	37,048	-51.8	71,241	1.5
Hong Kong.....	10,934	24,335	29,573	33,965	32,610	-4.0	26,283	0.6
Spain.....	12,743	19,732	17,391	28,001	22,014	-21.4	19,976	0.4
United Kingdom.....	21,530	20,680	23,848	24,912	30,784	23.6	24,351	0.5
Bangladesh.....	31,818	2,738	44	23,586	29,968	27.1	17,631	0.4
South Africa.....	4,884	11,275	6,920	14,067	28,880	105.3	13,205	0.3
Peru.....	5,460	10,581	15,367	50,152	26,599	-47.0	21,632	0.5
Morocco.....	1,164	18,554	16,902	16,657	25,242	51.5	15,704	0.3
France.....	56,361	27,099	22,750	21,640	25,153	16.2	30,601	0.7
Pakistan.....	2,564	42,818	1,437	64,203	24,435	-61.9	27,091	0.6
Germany.....	26,263	26,683	27,477	7,777	11,209	54.4	19,779	0.4
Malaysia.....	5,761	13,662	10,244	34,587	22,239	-35.7	17,299	0.4
Netherlands.....	54,526	61,405	26,803	14,272	17,748	24.4	34,951	0.7
Cuba.....	5,914	6,882	12,940	15,924	14,037	-11.9	11,139	0.2
Thailand.....	10,637	18,267	24,907	18,389	13,509	-26.5	17,142	0.4
Switzerland.....	7,362	6,632	8,757	11,516	13,401	16.4	9,534	0.2
Saudi Arabia.....	21,988	7,457	79,626	75,124	4,633	-93.8	37,766	0.8
Russia.....	302	822	1,874	5,096	1,282	-74.8	1,875	0.0
All Other Countries.....	147,760	132,952	202,635	331,731	296,919	-10.5	222,399	4.7
Total Exports.....	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	100.0

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 36 Value of International Agri-Food Exports by Commodity for Canada, Western Canada and Alberta, 1997 and 1998

	Canada		Western Canada (1)		Alberta		'98 % of Canada
	1997r	1998r	1997r	1998r	1997r	1998r	
	\$'000						
Live Animals.....	1,920,858	1,991,331	1,437,490	1,487,616	738,046	797,307	40.0
Purebred Cattle.....	11,461	8,724	4,551	1,749	4,267	539	6.2
Other Cattle.....	1,322,755	1,404,484	1,137,790	1,165,000	656,685	694,232	49.4
Hogs.....	444,678	425,545	243,839	262,975	61,535	85,964	20.2
Other.....	141,964	152,578	51,310	57,892	15,559	16,572	10.9
Meats (2).....	2,550,470	2,586,535	1,345,785	1,499,862	968,695	1,100,237	42.5
Beef. (incl. edible offal).....	1,021,007	1,279,306	758,818	999,201	693,360	940,923	73.5
Pork (incl. edible offal).....	1,095,555	871,594	419,458	341,478	177,997	85,980	9.9
Horse Meat.....	73,698	74,400	60,088	62,528	59,388	62,501	84.0
Other Meats (Poultry, Sheep, Bison).....	88,756	100,525	17,102	18,104	3,355	4,053	4.0
Processed Meat.....	271,454	260,710	90,319	78,551	34,595	6,780	2.6
Grains and Oilseeds.....	8,407,109	7,205,549	8,020,909	6,774,909	2,387,975	1,924,787	26.7
Barley.....	652,386	295,435	652,386	295,435	267,739	121,247	41.0
Wheat.....	5,366,370	4,136,669	5,308,873	4,082,843	1,603,896	1,178,427	28.5
Oats.....	301,434	185,747	300,619	184,427	61,991	38,418	20.7
Other Cereals (Unmilled).....	117,645	90,030	47,946	23,913	10,400	4,990	5.5
Canola Seed.....	1,262,175	1,711,920	1,262,175	1,711,788	413,799	557,996	32.6
Other Oilseeds.....	707,099	785,748	448,910	476,503	30,150	23,709	3.0
Other Products.....	9,769,253	11,021,175	3,270,156	3,654,761	1,243,765	1,224,699	11.1
Pulses (Dry Peas, Lentils and Beans).....	569,542	618,734	511,789	550,104	107,174	85,288	13.8
Fruits, Vegetables and Preparations.....	1,236,480	1,578,673	353,678	505,868	39,162	48,868	3.1
Dairy Products, Eggs and Honey.....	422,384	452,527	69,472	61,440	24,455	17,021	3.8
Tallow.....	133,609	143,138	81,636	87,463	70,313	74,947	52.4
Crude Animal Products.....	586,781	538,346	229,476	210,042	185,680	169,592	31.5
Cereal Products.....	1,220,555	1,413,446	375,052	383,520	128,115	123,305	8.7
Canola Oil and Mustard Oil.....	645,682	726,599	533,771	654,368	176,479	150,429	20.7
Other Oils, Fats, Waxes and Extracts.....	202,540	227,848	70,326	71,470	28,063	30,337	13.3
Sugar and Sugar Preparations.....	379,306	459,480	9,078	14,375	5,128	10,600	2.3
Other Foods and Food Preparations.....	1,096,209	1,417,333	70,971	138,936	18,437	27,170	1.9
Beverages and Tobacco Products.....	1,443,579	1,554,190	135,058	143,471	49,236	56,863	3.7
Oilseed Cake and Meal.....	317,399	319,456	229,449	258,450	93,033	135,500	42.4
Alfalfa (Dehydrated).....	63,369	42,309	60,771	40,574	26,235	17,516	41.4
Fodder, Canary Seed and Other Feeds... Seeds for Sowing.....	767,932	710,959	323,496	263,226	206,743	169,837	23.9
Peat Moss.....	109,908	120,946	97,863	110,181	49,486	49,769	41.1
Nursery and Other Crude Veg. Products.	220,530	250,066	54,726	73,760	34,713	55,333	22.1
	353,448	447,125	63,544	87,513	1,313	2,324	0.5
Total Exports.....	22,647,690	22,804,588	14,074,340	13,417,149	5,338,481	5,047,030	22.1

(1) Western Canada refers to Alberta, British Columbia, Saskatchewan and Manitoba.

(2) Refers to fresh, chilled, frozen meat and includes edible offal.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 37 Value of International Agri-Food Exports by Country for Canada, Western Canada and Alberta, 1997 and 1998

	Canada		Western Canada (1)		Alberta		'98 % of Canada
	1997r	1998r	1997r	1998r	1997r	1998r	
	\$'000						
United States.....	11,568,318	12,961,989	5,231,774	5,652,646	2,419,409	2,651,589	20.5
Japan.....	2,485,414	2,012,790	2,054,094	1,707,448	759,232	675,159	33.5
China, P. Rep.....	627,570	878,610	571,112	831,672	179,386	277,307	31.6
Mexico.....	450,521	579,124	432,002	549,198	144,605	177,812	30.7
Algeria.....	604,531	503,238	582,829	491,163	107,621	73,153	14.5
Hong Kong.....	305,719	371,757	126,314	219,901	33,965	32,610	8.8
United Kingdom.....	258,518	320,692	88,277	117,462	24,912	30,784	9.6
Belgium.....	439,081	260,503	377,663	212,874	76,851	37,048	14.2
Italy.....	233,555	254,455	205,070	215,415	56,099	60,615	23.8
Indonesia.....	372,799	235,240	367,929	233,740	128,496	83,452	35.5
Iran.....	648,555	199,872	646,194	163,220	229,833	62,858	31.4
Venezuela.....	220,552	198,389	193,678	162,328	46,760	37,401	18.9
Colombia.....	187,366	197,045	177,200	165,268	57,466	52,515	26.7
Brazil.....	269,815	177,546	244,471	152,641	73,136	42,326	23.8
Korea, South.....	452,838	177,202	364,655	143,547	177,302	79,546	44.9
Germany.....	125,183	176,963	57,052	76,214	7,262	11,209	6.3
Netherlands.....	150,226	171,515	86,457	116,525	14,272	17,748	10.3
Cuba.....	113,298	154,651	54,209	71,071	15,924	14,037	9.1
Spain.....	139,436	151,559	111,320	114,421	28,001	22,014	14.5
Taiwan.....	150,588	134,984	97,551	97,762	60,385	44,188	32.7
Morocco.....	92,781	129,038	90,565	127,745	16,657	25,242	19.6
Ecuador.....	30,808	123,297	29,802	121,011	7,293	26,826	21.8
Malaysia.....	103,086	104,880	83,720	77,478	34,587	22,239	21.2
Bangladesh.....	71,142	103,480	68,241	100,494	23,586	29,968	29.0
Peru.....	183,613	103,445	178,956	96,840	50,152	26,599	25.7
Philippines.....	155,991	93,089	135,562	82,943	45,480	26,544	28.5
Russia.....	125,920	88,192	21,478	4,724	5,096	1,282	1.5
Libyan Arab. Jama.	197,141	85,475	108,849	8,666	22,457	1,081	1.3
Emirates, U.A.	62,277	83,292	54,409	77,864	30,316	51,399	61.7
South Africa.....	54,614	82,864	41,995	72,177	14,067	28,880	34.9
France.....	76,475	77,949	32,123	36,749	21,640	25,153	32.3
India.....	103,908	74,677	102,828	73,506	30,388	14,377	19.3
Chile.....	91,982	61,510	82,301	49,979	26,140	11,930	19.4
Australia.....	60,864	50,419	14,174	10,441	4,486	3,369	6.7
Norway.....	71,026	46,998	14,620	2,054	3,544	210	0.4
Switzerland.....	35,344	42,701	23,519	28,659	11,516	13,401	31.4
New Zealand.....	86,881	39,918	70,562	22,942	23,322	7,350	18.4
Greece.....	26,753	39,512	13,494	23,243	2,766	5,493	13.9
Poland.....	34,276	38,063	11,503	20,447	2,959	5,600	14.7
Thailand.....	52,136	34,913	45,546	28,979	18,389	13,509	38.7
Pakistan.....	81,308	32,509	79,296	31,790	64,203	24,435	75.2
Portugal.....	16,954	31,830	3,129	19,211	906	1,992	6.3
Saudi Arabia.....	197,440	30,818	184,050	11,936	75,124	4,633	15.0
Turkey.....	116,860	29,076	79,461	20,016	21,380	6,667	22.9
Trinidad-Tobago.....	20,675	23,978	3,609	3,627	681	491	2.0
Denmark.....	9,725	21,833	1,434	4,284	412	3,022	13.8
Egyptian A.R.	19,087	21,633	13,600	19,347	269	1,160	5.4
All Other Countries.....	664,740	991,075	415,663	725,581	139,248	180,807	18.2
Total Exports.....	22,647,690	22,804,588	14,074,340	13,417,149	5,338,481	5,047,030	22.1

(1) Western Canada refers to Alberta, British Columbia, Saskatchewan and Manitoba.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 38 Value of Alberta Agri-Food Exports to the United States, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
Exports to United States (\$'000)							\$'000	
Animals and Crops								
Live Cattle, Purebred.....	20	9	221	384	439	14.3	215	0.0
Live Cattle, Other.....	600,358	690,352	745,979	656,685	694,232	5.7	677,521	30.1
Live Hogs.....	18,873	51,254	72,568	61,082	85,875	40.6	57,930	2.6
Other Live Animals.....	11,681	10,849	11,396	13,367	15,822	18.4	12,623	0.6
Barley.....	125,222	76,360	80,256	74,438	58,058	-22.0	82,867	3.7
Wheat.....	105,908	100,065	93,948	129,935	107,935	-16.9	107,558	4.8
Oats.....	46,743	59,235	54,390	59,553	36,398	-38.9	51,264	2.3
Other Cereals Unmilled.....	6,554	5,868	5,039	7,287	4,633	-36.4	5,876	0.3
Peas.....	2,567	3,351	3,220	4,163	3,211	-22.9	3,302	0.1
Lentils and Other Dried Beans.....	7,079	8,473	7,822	12,433	6,669	-46.4	8,495	0.4
Vegetables and Fruits (incl. Potatoes)...	13,520	14,189	24,197	18,708	28,630	53.0	19,849	0.9
Fodder and Canary Seed.....	869	1,585	719	1,542	2,405	56.0	1,424	0.1
Canola Seed.....	60,658	27,886	45,426	50,357	52,920	5.1	47,449	2.1
Mustard Seed.....	8,660	7,251	12,781	7,634	8,678	13.7	9,001	0.4
Linseed.....	3,200	2,794	3,820	2,315	2,348	1.4	2,895	0.1
Other Oilseeds, Oilnuts/Kernels.....	376	289	464	179	255	42.5	313	0.0
Sub-Total.....	1,012,288	1,059,810	1,162,246	1,100,062	1,108,508	0.8	1,088,583	48.3
Crude Animal and Plant Products.	104,175	114,086	135,712	165,806	195,559	17.9	143,068	6.3
Processed Crop and Animal Products								
Meats (1)- Total.....	465,630	475,187	619,372	766,162	910,083	18.8	647,287	28.7
Beef (incl. edible offal).....	354,277	339,584	451,856	618,758	843,042	36.2	521,503	23.1
Pork (incl. edible offal).....	67,897	91,424	114,452	114,958	61,778	-46.3	90,102	4.0
Other Meats (2).....	239	215	746	409	306	-25.2	383	0.0
Processed Meat.....	43,217	43,964	52,318	32,037	4,957	-84.5	35,299	1.6
Dairy Products and Eggs.....	123	87	93	103	35	-66.0	88	0.0
Honey.....	4,173	6,258	2,223	1,918	4,250	121.6	3,764	0.2
Wheat Flour.....	1,188	2,250	3,137	4,427	3,795	-14.3	2,959	0.1
Other Cereals Milled.....	19,870	16,638	25,698	20,242	16,843	-16.8	19,858	0.9
Cereal Preparations.....	4,590	7,422	7,545	9,785	17,360	77.4	9,340	0.4
Vegetable and Fruit Preparations.....	461	493	775	1,046	5,197	396.8	1,594	0.1
Sugar and Sugar Preparations.....	7,052	1,675	1,272	5,122	10,600	107.0	5,144	0.2
Other Foods/Food Material.....	6,425	8,807	10,593	13,505	22,102	63.7	12,286	0.5
Oilseed Cake and Meal.....	49,414	58,859	68,744	80,923	109,007	34.7	73,389	3.3
Alfalfa (Dehydrated).....	4,867	1,983	2,306	2,977	2,820	-5.3	2,991	0.1
Feeds of Vegetable Origin.....	14,447	11,937	15,610	11,447	6,772	-40.8	12,043	0.5
Other Feeds and Feed Preparations.....	43,406	47,836	80,382	72,681	64,539	-11.2	61,769	2.7
Whisky.....	28,320	33,032	39,070	37,472	38,195	1.9	35,218	1.6
Other Beverages (incl. Beer).....	4,301	4,094	7,127	8,780	11,626	32.4	7,186	0.3
Tallow.....	6,147	6,649	7,454	13,653	11,140	-18.4	9,009	0.4
Canola Oil and Mustard Oil.....	119,084	106,984	104,284	80,418	83,847	4.3	98,923	4.4
Other Oils and Sugar.....	12,315	13,198	16,014	22,880	29,312	28.1	18,744	0.8
Sub-Total.....	791,813	803,389	1,011,699	1,153,541	1,347,523	16.8	1,021,593	45.3
Alberta Exports to All Countries.....	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	
Exports to the United States.....	1,908,276	1,977,285	2,309,657	2,419,409	2,651,590	9.6	2,253,243	
Per Cent of Total Exports.....	49.4	46.5	46.4	45.3	52.5		48.0	

Note: Crude Animal and Plant Products includes inedible products such as raw hides, skins and other crude animal products, seeds for sowing, nursery stock, peat moss, etc.

(1) Refers to fresh, chilled, frozen meat and includes edible offal.

(2) Includes horse, poultry, sheep and bison exports.

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 39 Value of Alberta Agri-Food Exports to Japan, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
Exports to Japan (\$'000)							\$'000	
Animals and Crops								
Live Animals (excl. Cattle and Hogs).....	-	-	-	13	302	2,223.1	63	0.0
Barley.....	63,889	40,735	50,131	38,294	16,766	-56.2	41,963	6.2
Wheat.....	59,509	86,478	142,979	112,565	97,756	-13.2	99,857	14.7
Oats.....	1,132	1,795	1,581	1,057	1,096	3.7	1,332	0.2
Other Cereals Unmilled.....	1,852	4,961	4,458	2,411	59	-97.6	2,748	0.4
Peas, Lentils and Other Dried Beans.....	1,164	1,072	2,745	6,781	3,171	-53.2	2,987	0.4
Vegetables and Fruits (incl. Potatoes)...	45	27	-	50	247	394.0	74	0.0
Fodder and Hay.....	27,576	38,543	37,176	55,286	52,823	-4.5	42,281	6.2
Canola Seed.....	244,996	288,368	220,344	284,636	245,818	-13.6	256,832	37.7
Mustard Seed.....	1,589	2,786	2,464	3,082	2,180	-29.3	2,420	0.4
Linseed.....	1,644	1,427	1,508	748	548	-26.7	1,175	0.2
Other Oilseeds, Oilnuts/Kernels.....	12	146	13	153	121	-20.9	89	0.0
Sub-Total.....	403,408	466,338	463,399	505,076	420,887	-16.7	451,822	66.4
Crude Animal and Plant Products.	14,842	11,738	13,010	16,436	13,164	-19.9	13,838	2.0
Processed Crop and Animal Products								
Meats (1)- Total.....	58,700	83,536	82,444	102,634	105,818	3.1	86,626	12.7
Beef. (incl. edible offal).....	24,554	44,940	39,948	45,875	64,896	41.5	44,043	6.5
Pork (incl. edible offal).....	23,917	25,830	24,459	36,888	19,619	-46.8	26,143	3.8
Horse Meat.....	8,916	11,150	10,535	17,466	19,452	11.4	13,504	2.0
Other Meats and Meat Preparations...	1,313	1,616	7,502	2,405	1,851	-23.0	2,937	0.4
Dairy Products and Eggs.....	-	-	-	920	79	-91.4	200	0.0
Honey.....	524	1,067	151	414	664	60.4	564	0.1
Wheat Flour.....	241	64	473	416	147	-64.7	268	0.0
Other Cereals Milled.....	31,462	43,960	54,828	47,413	43,265	-8.7	44,186	6.5
Cereal Preparations.....	721	531	275	1,265	3,301	160.9	1,219	0.2
Vegetable and Fruit Preparations.....	1,676	3,144	3,693	5,974	6,375	6.7	4,172	0.6
Oilseed Cake and Meal.....	14,609	17,154	15,041	1,860	5,940	219.4	10,921	1.6
Alfalfa (Dehydrated).....	17,794	25,860	18,461	18,296	10,288	-43.8	18,140	2.7
Feeds and Feed Preparations.....	11,004	19,492	18,622	21,725	24,651	13.5	19,099	2.8
Whisky.....	715	712	64	514	548	6.6	511	0.1
Other Beverages and Tobacco.....	748	697	42	379	166	-56.2	406	0.1
Tallow.....	9,293	15,998	17,989	16,195	15,097	-6.8	14,914	2.2
Canola Oil and Mustard Oil.....	2,305	8,734	2,768	15,507	23,323	50.4	10,527	1.5
Other Food Products, Oils and Sugar...	3,447	3,585	4,346	4,208	1,446	-65.6	3,406	0.5
Sub-Total.....	153,239	224,534	219,197	237,720	241,108	1.4	215,160	31.6
Alberta Exports to All Countries.....	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	
Exports to Japan.....	571,489	702,610	695,606	759,232	675,159	-11.1	680,819	
Per Cent of Total Exports.....	14.8	16.5	14.0	14.2	13.4		14.5	

Note: Crude Animal and Plant Products includes inedible products such as raw hides, skins and other crude animal products, seeds for sowing, nursery stock, peat moss, etc.

(1) Refers to fresh, chilled, frozen meat and includes edible offal.

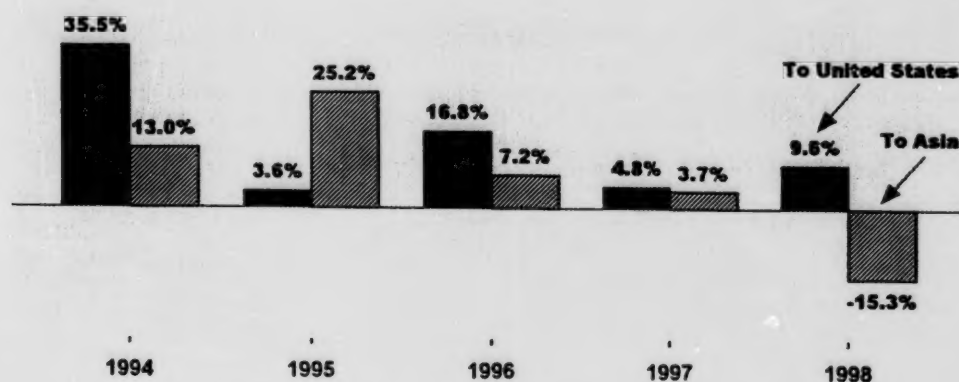
Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 40 Value of Alberta Agri-Food Exports to Asia, 1994-1998

	1994r	1995r	1996r	1997r	1998r	% Chg. 1998/97	Average 1994-98	% of Total
Exports to Asia (\$'000)							\$'000	
Top Five Markets in 1998								
Japan.....	571,489	702,608	695,606	759,232	675,159	-11.1	680,819	48.9
China, P. Rep.....	200,684	420,757	445,519	179,386	277,307	54.6	304,731	21.9
Indonesia.....	51,758	31,799	118,539	128,496	83,452	-35.1	82,809	5.9
Korea, South.....	171,608	64,676	111,162	177,802	79,546	-55.3	120,959	8.7
Taiwan.....	41,860	59,685	45,156	60,385	44,188	-26.8	50,255	3.6
Remaining Markets								
Hong Kong.....	10,934	24,335	29,573	33,965	32,610	-4.0	26,283	1.9
Bangladesh.....	31,818	2,738	44	23,586	29,968	27.1	17,631	1.3
Philippines.....	4,237	21,177	15,890	45,480	26,544	-41.6	22,666	1.6
Pakistan.....	2,564	42,818	1,437	64,203	24,435	-61.9	27,091	1.9
Malaysia.....	5,761	13,662	10,244	34,587	22,239	-35.7	17,299	1.2
India.....	17,171	6,847	7,278	30,388	14,377	-52.7	15,212	1.1
Thailand.....	10,637	18,267	24,907	18,389	13,509	-26.5	17,142	1.2
Sri Lanka.....	72	64	8,401	8,412	3,866	-54.0	4,163	0.3
Singapore.....	1,614	2,713	3,051	3,987	3,101	-22.2	2,893	0.2
Vietnam.....	5,358	1,143	--	1,078	1,415	31.3	1,799	0.1
Korea, North.....	53	--	85	1,850	1,267	-31.5	651	0.0
Macau.....	--	4	5	40	29	-27.5	16	0.0
Nepal.....	30	--	--	--	10	--	8	0.0
Afganistan.....	5	1,698	1	1,591	--	--	659	0.0
Cambodia.....	2,098	--	57	--	--	--	431	0.0
Alberta Exports to All Countries...	3,865,601	4,249,863	4,972,360	5,338,481	5,047,030	-5.5	4,694,667	
Exports to Asia.....	1,129,802	1,415,041	1,517,001	1,572,905	1,333,022	-15.3	1,393,554	
Per Cent of Total Exports.....	29.2	33.3	30.5	29.5	26.4		29.7	

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Fig. 28 Alberta Agri-Food Exports to Asia and United States, Annual Per Cent Change, 1994-1998



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Alberta Livestock Industry

Total **cattle and calves** on farms in Alberta on July 1, 1999 was estimated at 5.76 million head, down 0.9 per cent from the 5.81 million head a year ago. The slippage in the overall inventory was attributed mainly to a reduction in the number of beef cows, calves and slaughter steers. Lower inventories were reported for all classes of cattle, with the exception of dairy

cows and heifers which grew in 1999. For the fourth consecutive year, the estimated number of beef cows in the province was down. Estimated at 1,900,000 head, this was 0.8 per cent lower than in 1998 and 2.6 per cent smaller than in 1997. Beef heifers for replacement also showed a similar trend, contracting for the fourth consecutive year. The estimated number of animals was 318,000 head, 0.6 per cent lower than in 1998 and 14.1 per cent smaller than in 1997. Incidentally, the beef breeding herd comprising cows and heifers is the smallest since 1995, confirming that the cattle cycle is still in a contraction phase.

On a percentage basis **by class type**, showing the largest decline were slaughter steers. At 851,000 head, the number was down 2.2 per cent from the revised 1998 total of 870,000, but still well above the 1997 figure of 700,000. Heifers for slaughter were estimated at 609,000 head, 0.3 per cent smaller than in 1998. Increasing in 1999 was the size of the provincial dairy herd which grew 1.4 per cent from a year earlier to 148,000 head. Milk cows were estimated at 103,000 head, one per cent higher than in 1998. Dairy heifers for replacement increased by 2.3 per cent to 45,000 head.

Compared to other Canadian provinces, **Alberta continues to be the leading province in cattle and calf inventories** at 5,760,000 head on July 1, 1999. Following is Saskatchewan (2,776,000 head), Ontario (2,110,000 head) and Quebec (1,350,000 head). Currently, Alberta accounts for more than one-half (53.7 per cent) of the total western Canadian herd of 10,729,000 head and 39.7 per cent of the national total of 14,505,300.

Both 1997 and 1998 were record setting years for **cattle slaughter** in the province. In 1997, total slaughter (excluding calves) in federally and provincially inspected plants increased 6.6 per cent from the previous year to 1,913,365 head, while in 1998, the comparable total grew to 2,113,768. Apart from increasing 10.5 per cent from a year ago, the 1998 slaughter volume represents the seventh consecutive year of industry growth and sets another new record high, exceeding for the first time, the two million head mark. Steers and heifers continue to comprise the bulk of slaughter and together accounted for 90.8 per cent of the animals slaughtered in federally inspected plants. Unlike cattle, calf slaughter in federally and provincially inspected plants slipped further in 1997 and again in 1998, reporting totals of 574 head and 401 head, respectively.

Nationally, the cattle kill (excluding calves) in federally and provincially inspected plants in 1997 and 1998 was 3,187,869 head and 3,316,659 head, respectively. Alberta's share of the national total has been climbing steadily since 1987 and currently stands at 63.7 per cent. When compared to the western Canadian kill of 2,360,702 head, this percentage was even higher at 89.5 per cent. The steady rise over the years in Alberta's slaughter volumes can be attributed to a number of factors including increased plant slaughtering and processing capacity at the province's two major packing plants; a reduction in live slaughter cattle exports to the U.S.; and a net increase in live feeder cattle imports into the province.

Slaughter cattle marketings (or cattle of Alberta origin slaughtered in Canada) reached new industry highs in both 1997 and 1998. The total marketings (excluding international exports) in 1997 was 1,871,343, up 7.4 per cent from 1996 (1,742,569). Marketings in 1998 were estimated at 1,953,700 head, representing an increase of 4.4 per cent from a year earlier. Currently, it is estimated that roughly 60 per cent of the total Canadian marketings originate from Alberta.

Live feeder cattle and calf shipments to the United States from Alberta grew in both 1997 and 1998. Shipments in 1997 totalled 37,325 head, while in 1998 it was 40,299 head, an increase of 8.0 per cent. Increasing as well in 1997 were Alberta's shipments of live replacement cattle and calves to the U.S. Up about three per cent, the total number of animals shipped was 2,924 head, compared to 2,845 head in 1996. However, in 1998, exports were down 3.6 per cent to 2,819 head and was quite similar to the volume exported in 1996.

Unlike the previous seven years, Alberta's **live slaughter cattle and calf exports to the United States** fell in 1997 and again in 1998. Exports in 1997 totalled 614,727 head, a drop of over 16 per cent from the previous year. This downward trend continued in 1998, with exports declining another 1.9 per cent, to 603,246 head. The steady drop in live cattle exports over the past two years was largely the result of an increase in domestic cattle slaughtering activity in the province. Cumulatively, Alberta's live cattle and calf shipments to the United States were down in 1997 and 1998 when compared to 1996. The total shipment in 1997 was 654,976 head, while in 1998 it was 646,364 head. The continued reduction in shipments over the past two years largely reflected the decline in live slaughter cattle exports which comprise the bulk of animals exported. Live cattle and calf exports fell in 1997 by 12.6 per cent to 808,749 head. Some recovery was noted in 1998 as exports grew by 1.8 per cent to 823,342 head.

After falling in 1996, **fed and feeder cattle prices** showed some gains in 1997. Slaughter steer prices (direct to packer sales) on a live weight basis increased by over seven per cent, from \$78.42 per hundredweight in 1996 to \$84.00 per hundredweight in 1997. For feeders, the price recovery was much stronger. The annual average price for 500-600 pound feeder steer calves in central Alberta was \$111.87 per hundredweight, more than 40 per cent higher than the price of \$79.79 per hundredweight in 1996. Likewise, central Alberta feeder steers, 800-900 pounds, showed an annual increase

Alberta Livestock Industry - Cont'd

of over 26 per cent, averaging \$97.01 per hundredweight compared to \$76.86 per hundredweight in 1996. Feeder prices were strongly affected by declining feed grain and forage prices during the period.

The **cattle price strength** was somewhat mixed in 1998. Fed cattle prices dipped slightly when compared to 1997, while feeder prices posted even stronger gains. The 1998 annual average price for slaughter steers (direct to packer sales) on a live weight basis was \$83.56 per hundredweight, down from \$84.00 per hundredweight in 1997. On the other hand, the annual average price for 500-600 pound feeder steer calves in Central Alberta increased 8.3 per cent to \$121.14 per hundredweight, from \$111.87 per hundredweight a year ago. Similarly, the annual average price for Central Alberta feeder steers 800-900 pounds increased 2.9 per cent, averaging \$99.79 per hundredweight compared to \$97.01 per hundredweight in 1997.

On July 1, 1999, the **estimated total number of pigs** on farms in Alberta was 1,807,900 head, 3.9 per cent smaller than a year ago (1,880,900 head). Much of the decline in the overall pig inventory was due to a reduction in market hogs. There were 69,800 fewer hogs, with the estimated total at 1,620,100 head, compared to 1,689,900 in 1998, a drop of over 4 per cent. Weaker slaughter hog prices was the primary reason behind the contraction. On a percentage basis, showing the largest decline were market hogs weighing under 20 kilograms. Estimated at 515,800 head, the number was down 9.8 per cent, from 571,800 a year ago. Shrinking as well, were market hogs weighing more than 60 kilograms. Hogs in this class fell 3.8 per cent to 544,600 head, from 566,300 head in 1998. The only class to show growth in 1999 was market hogs weighing 20-60 kilograms. At 559,700 head, the total was up 1.4 per cent over 1998.

Total breeding stock (comprising boars, sows and bred gilts) fell 1.7 per cent to 187,800 head from 191,000 in 1998. The decline in breeding stock continues to be the result of eroding profit margins for producers, brought on by weaker hog cash prices. To recall, downsizing to some degree has been occurring since the beginning of the year, following the virtual collapse of hog prices in the last quarter of 1998 and less than average breakeven prices for much of 1999. Prices rebounded to seasonal highs in mid-August, before trending lower. It is noteworthy that, while the breeding herd has been declining, Alberta hog operations are becoming increasingly more efficient. The average operation has increased in size, producing an increasing number of hogs per sow, while at the same time becoming more feed efficient.

Among the Canadian provinces, Alberta ranks fourth highest in pig inventories (on July 1, 1999), behind Quebec (3,846,300 head), Ontario (3,381,300 head) and Manitoba (1,916,800 head). The size of the western Canadian herd was estimated at 4,785,900 head, with Alberta accounting for 37.8 per cent of the total. This translates into 14.6 per cent when the province is compared to the national estimate of 12,388,000.

Improving in 1997 was **hog slaughter** in the province. Up 3.8 per cent, the total slaughter in federally and provincially inspected plants was 2,216,615 head compared to 2,135,395 head in 1996. However, the slaughter recovery was short-lived, as the kill volume in 1998 contracted by 28 per cent to 1,596,267 head. The significant drop in slaughter was partly a reflection of the closure of one of Alberta's major packing plants and a rise in slaughter hog exports to other provinces and the U.S. **Slaughter hog marketings** (or hogs of Alberta origin slaughtered in Canada) totalled 2,221,730 in 1997, slightly smaller than in 1996 at 2,224,776 head. Marketings dropped even further in 1998 by over 21 per cent to 1,746,343 head.

While **international live slaughter hog** (weighing 50 kilograms or more) exports fell in 1997, it rebounded in 1998. Total exports in 1997 was 354,526 head, about 18 per cent lower than in the previous year. In 1998 however, exports were up 87.8 per cent to 665,894 head. Improving currency exchange rates, coupled with notably wide Canadian/U.S. cash basis levels and reduced domestic slaughter were among the factors fueling the increase. Currently, the U.S. continues to be the destination for all of Alberta's slaughter hog exported internationally.

After peaking in 1996, **slaughter hog prices** on an annual basis have trended steadily downwards. The annual average Index 100 price was \$1.80 per kilogram in 1997, slightly over one per cent lower than the record setting price of \$1.82 per kilogram in 1996. By 1998, the decline was more significant, with the price falling by 37.2 per cent to \$1.13 per kilogram. The sharp drop in price, particularly in the latter half of 1998 was international in scope. Expanded primary production exceeded the capacity of slaughter plants. This resulted in falling hog prices to producers. In general, monthly prices in 1998 improved until May, thereafter trending downwards. May was also the strongest month for Index 100 hogs, recording an average price of \$1.50 per kilogram.

After three years of steady decline, the estimated number of **sheep and lambs** on farms in Alberta was up. Estimates on July 1, 1999, peg the size of the provincial flock at 217,300 head, 1.1 per cent larger than in 1998. The growth in the total sheep and lamb inventory was the result of an increased number of market lambs. Estimated at 81,000 head, this was 3.6 per cent higher than in 1998. Growth in market lambs suggests that producers are no longer aggressively selling off their stock, given that slaughter lamb prices have tapered off from record highs.

On July 1, 1999, Alberta, when compared to other Canadian provinces in sheep and lamb inventories, ranked second highest (217,300 head) after Ontario (255,300 head). Quebec ranked third highest at 162,000 head. The size of the

Alberta Livestock Industry - Cont'd

western Canadian flock was estimated at 420,700 head, with Alberta accounting for 51.7 per cent of the total. Nationally, there were 885,400 sheep and lambs on farms, with Alberta accounting for 24.5 per cent of the total.

Due to data confidentiality, data on sheep and **lamb slaughter** in federally and provincially inspected plants in Alberta are unavailable. However, comparable slaughter statistics for Western Canada show the 1997 total declining by 4.9 per cent to 74,721 head from 78,535 head in 1996. In 1998, volume was down even further, falling 10.5 per cent to 66,878 head. Sheep and lamb **marketings** continued to decline in 1997 (59,900 head) and in 1998 (56,400 head). The drop in marketings was primarily the result of aggressive producer sales of market lambs (given average to above average prices which prevailed), with fewer animals held back for replacement.

International exports of live sheep from Alberta showed a sizeable decline in 1997. Down 34 per cent, the total number of live animals shipped was 9,237 head, compared to 14,049 in 1996. Exports in 1998 did not fare any better, dropping 41.5 per cent to 5,402 head. The decline in exports was to some degree influenced by above average prices offered to producers domestically and reduced sheep and lamb inventories. United States remains the primary export destination for Alberta sheep.

Price wise, 1997 was a very good year for sheep and lamb producers in the province. In fact, annual prices reached historical highs for every class of animal tracked. The annual average price for feeder lambs (61-80 pounds) was up more than 12 per cent from 1996, to \$132.21 per hundredweight. Likewise, for slaughter lambs (95-109 pounds), the comparable price rose over ten per cent to \$118.11 per hundredweight. Unfortunately, the price strength witnessed in 1997 was not maintained in 1998. Prices were down across all classes of animals tracked. The annual average price for feeder lambs (61-80 pounds) fell 13.8 per cent to \$113.97 per hundredweight, while slaughter lambs (95-109 pounds) prices fell 16.6 per cent to \$98.54 per hundredweight.

Table 41 Livestock on Farms, Canada and Provinces, July 1, 1988-1999

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cattle and Calves ('000 head)								
1988.....	12,153.2	4,149.0	2,127.0	1,075.0	689.0	2,311.1	1,463.0	339.1
1989.....	12,456.9	4,375.0	2,146.0	1,077.0	720.0	2,319.0	1,482.2	337.7
1990.....	12,560.2	4,490.0	2,173.0	1,055.0	716.0	2,306.9	1,481.0	338.3
1991.....	12,842.9	4,671.0	2,279.0	1,095.0	748.0	2,275.0	1,438.0	336.9
1992.....	13,025.1	4,811.0	2,382.0	1,167.0	773.5	2,172.0	1,385.0	334.6
1993.....	13,251.8	4,941.0	2,484.0	1,169.0	766.0	2,151.0	1,407.5	333.3
1994.....	13,924.4	5,316.0	2,607.0	1,236.0	803.0	2,188.0	1,443.5	330.9
1995.....	14,729.6	5,608.0	2,838.0	1,342.0	846.0	2,295.0	1,469.0	331.6
1996r.....	15,096.4	5,736.0	2,952.0	1,424.0	867.0	2,299.0	1,486.0	332.4
1997r.....	14,945.3	5,700.0	2,904.0	1,449.0	835.0	2,259.0	1,466.0	332.3
1998r.....	14,746.5	5,813.0	2,818.0	1,447.0	783.1	2,172.0	1,388.5	324.9
1999p.....	14,505.3	5,760.0	2,776.0	1,400.0	793.0	2,110.0	1,350.0	316.3
Pigs ('000 head)								
1988.....	11,038.3	1,807.0	829.0	1,338.0	254.3	3,367.0	3,062.0	381.0
1989.....	10,820.5	1,809.0	791.0	1,305.0	265.5	3,147.0	3,128.0	375.0
1990.....	10,146.3	1,689.0	770.0	1,196.0	245.5	2,961.0	2,952.0	332.8
1991.....	10,444.5	1,760.0	843.0	1,310.0	238.5	2,960.0	2,997.5	335.5
1992.....	10,803.0	1,913.1	929.7	1,372.7	211.2	3,004.8	3,046.0	325.5
1993.....	10,596.4	1,848.6	878.6	1,386.1	197.7	2,910.7	3,065.2	309.5
1994.....	10,728.1	1,778.6	889.8	1,466.4	209.7	2,986.6	3,080.0	317.0
1995.....	11,536.0	2,031.1	868.0	1,666.7	184.8	3,092.6	3,366.3	326.5
1996.....	11,547.6	1,875.9	829.3	1,813.7	175.5	3,065.7	3,455.0	332.5
1997r.....	11,672.4	1,822.0	862.0	1,809.5	171.0	3,123.9	3,542.5	341.5
1998r.....	12,357.1	1,880.9	930.8	1,998.6	177.1	3,331.0	3,662.5	376.2
1999p.....	12,388.0	1,807.9	917.8	1,916.8	143.4	3,381.3	3,846.3	374.5
Sheep and Lambs ('000 head)								
1988.....	788.9	231.0	64.3	27.0	59.5	238.0	110.0	59.1
1989.....	827.5	251.0	72.0	31.0	66.0	241.0	109.5	57.0
1990.....	874.4	275.0	82.5	34.4	70.0	245.0	113.5	54.0
1991.....	917.8	299.0	92.0	35.0	73.0	250.0	115.0	53.8
1992.....	897.1	311.0	85.0	34.9	72.5	228.0	116.7	49.0
1993.....	883.0	287.0	82.0	34.0	74.0	242.0	115.0	49.0
1994.....	825.6	250.0	79.0	33.0	76.0	225.0	114.0	48.6
1995.....	857.6	264.0	78.2	34.5	83.0	227.0	127.0	43.9
1996.....	846.7	244.5	86.0	37.5	77.3	219.9	138.0	43.5
1997.....	821.5	225.7	73.8	42.1	68.5	226.4	141.3	43.7
1998r.....	829.8	214.9	81.3	49.0	64.0	232.0	144.3	44.3
1999p.....	885.6	217.3	83.4	55.0	65.0	255.3	162.0	47.6

Source: Agriculture Division, Statistics Canada

Table 42 Cattle and Calves on Alberta Farms, July 1, 1954-1999

									Total		Alberta as a % of Canada
	Bulls	Milk	Dairy	Beef	(1)Beef	Slaughter	Calves	Steers	Alberta	Canada	
		Cows	Heifers	Cows	Heifers	Heifers					
'000 head											
1954.....	45.0	286.0	70.0	600.0	215.0	-	608.0	270.0	2,094.0	10,170.0	20.6
1955.....	48.0	285.0	65.0	640.0	240.0	-	647.0	325.0	2,250.0	10,603.0	21.2
1956.....	51.0	282.0	60.0	734.0	248.0	-	714.0	360.0	2,449.0	11,011.2	22.2
1957.....	54.0	282.0	63.0	766.0	280.0	-	759.0	417.0	2,621.0	11,265.0	23.3
1958.....	53.0	270.0	65.0	785.0	251.0	-	819.0	314.0	2,557.0	10,990.0	23.3
1959.....	55.0	270.0	64.0	820.0	256.0	-	857.0	301.0	2,623.0	11,058.0	23.7
1960.....	55.0	279.0	67.0	827.0	257.0	-	867.0	345.0	2,697.0	11,337.0	23.8
1961.....	57.0	288.0	69.0	890.0	271.0	-	913.0	392.0	2,879.0	11,933.8	24.1
1962.....	57.0	282.0	67.0	910.0	278.0	-	925.0	380.0	2,899.0	12,067.0	24.0
1963.....	58.0	280.0	67.0	940.0	326.0	-	962.0	402.0	3,035.0	12,365.0	24.5
1964.....	63.0	279.0	61.0	1,018.0	401.0	-	1,018.0	480.0	3,320.0	12,994.0	25.6
1965.....	66.0	269.0	55.0	1,108.0	423.0	-	1,076.0	476.0	3,473.0	13,260.0	26.2
1966.....	64.0	243.0	51.0	1,119.0	362.0	-	1,080.0	521.0	3,440.0	12,878.8	26.7
1967.....	65.0	224.0	48.0	1,113.0	405.0	-	1,035.0	503.0	3,393.0	12,697.0	26.7
1968.....	62.0	208.0	44.0	1,098.0	381.0	-	1,018.0	530.0	3,341.0	12,487.0	26.8
1969.....	61.0	192.0	40.0	1,097.0	381.0	-	989.0	526.0	3,286.0	12,366.0	26.6
1970.....	65.0	195.0	38.0	1,170.0	430.0	-	1,070.0	525.0	3,493.0	12,826.0	27.2
1971.....	72.0	186.0	38.0	1,270.0	451.0	-	1,157.0	528.0	3,702.0	13,270.9	27.9
1972.....	75.0	178.0	32.0	1,364.0	500.0	-	1,225.0	550.0	3,924.0	13,736.0	28.6
1973.....	79.0	171.0	34.0	1,509.0	522.0	-	1,319.0	567.0	4,201.0	14,249.0	29.5
1974.....	87.0	165.0	35.0	1,660.0	559.0	-	1,434.0	655.0	4,595.0	15,318.0	30.0
1975.....	87.0	157.0	36.0	1,692.0	550.0	-	1,458.0	709.0	4,689.0	15,622.0	30.0
1976.....	88.0	163.0	51.0	1,530.0	270.0	368.0	1,435.0	770.0	4,675.0	15,063.0	31.0
1977.....	87.0	160.0	50.0	1,500.0	260.0	318.0	1,315.0	660.0	4,350.0	14,292.9	30.4
1978.....	82.0	158.0	51.0	1,400.0	240.0	320.0	1,239.0	645.0	4,135.0	13,352.7	31.0
1979.....	85.0	162.0	53.0	1,370.0	230.0	325.0	1,205.0	650.0	4,080.0	13,238.8	30.8
1980.....	90.0	168.0	56.0	1,400.0	245.0	306.0	1,290.0	600.0	4,155.0	13,381.9	31.0
1981.....	89.5	166.0	54.5	1,368.0	243.0	325.0	1,300.0	607.0	4,153.0	13,364.5	31.1
1982.....	90.0	159.0	50.0	1,394.0	227.0	320.0	1,260.0	580.0	4,080.0	13,170.0	31.0
1983.....	91.0	146.0	48.0	1,388.0	217.0	300.0	1,235.0	540.0	3,965.0	12,835.7	30.9
1984.....	91.0	141.0	49.0	1,368.0	233.0	298.0	1,255.0	540.0	3,975.0	12,581.9	31.6
1985.....	91.0	132.0	49.0	1,345.0	222.0	264.0	1,245.0	492.0	3,840.0	12,160.0	31.6
1986.....	91.0	124.0	51.0	1,315.0	232.0	255.0	1,252.0	426.0	3,746.0	11,787.7	31.8
1987.....	90.0	121.0	52.0	1,369.0	259.0	271.0	1,297.0	465.0	3,924.0	11,815.7	33.2
1988.....	91.0	117.0	50.0	1,444.0	283.0	287.0	1,351.0	526.0	4,149.0	12,153.2	34.1
1989.....	92.0	112.0	51.0	1,506.0	303.0	319.0	1,421.0	571.0	4,375.0	12,456.9	35.1
1990.....	94.0	109.0	49.0	1,567.0	305.0	320.0	1,478.0	568.0	4,490.0	12,560.2	35.7
1991.....	95.0	105.0	47.0	1,635.0	324.0	330.0	1,560.0	575.0	4,671.0	12,842.9	36.4
1992.....	97.0	105.0	47.0	1,667.0	335.0	348.0	1,581.0	631.0	4,811.0	13,025.1	36.9
1993.....	103.0	98.0	42.0	1,760.0	313.0	410.0	1,666.0	549.0	4,941.0	13,251.8	37.3
1994.....	112.0	100.0	43.0	1,917.0	400.0	359.0	1,818.0	567.0	5,316.0	13,924.4	38.2
1995.....	120.0	101.0	43.0	2,050.0	455.0	374.0	1,901.0	564.0	5,608.0	14,729.6	38.1
1996r.....	119.0	103.0	44.0	2,023.0	390.0	459.0	1,945.0	653.0	5,736.0	15,096.4	38.0
1997r.....	111.0	104.0	45.0	1,950.0	370.0	550.0	1,870.0	700.0	5,700.0	14,945.3	38.1
1998r.....	109.0	102.0	44.0	1,915.0	320.0	611.0	1,842.0	870.0	5,813.0	14,746.5	39.4
1999p.....	108.0	103.0	45.0	1,900.0	318.0	609.0	1,826.0	851.0	5,760.0	14,505.3	39.7

(1) Comprises heifers for beef herd replacement. Prior to 1976, included slaughter heifers.

Note: Cattle statistics prior to 1975 are as of June 1.

Source: Agriculture Division, Statistics Canada

Fig. 29 Number of Cattle and Calves on Alberta Farms, July 1, 1990-1999

'000 head

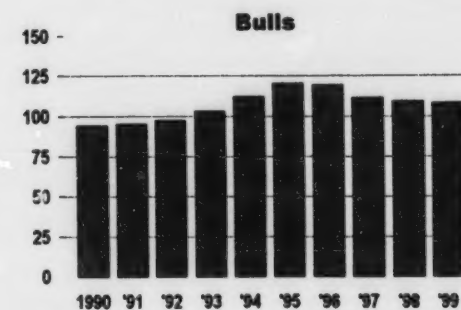
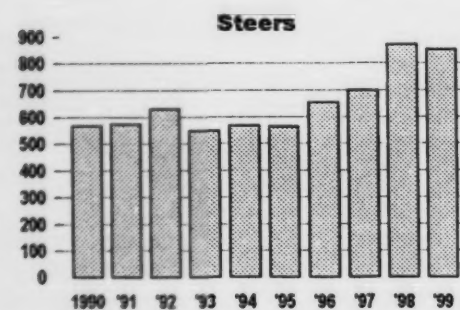
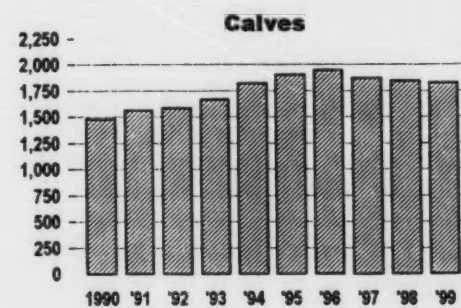
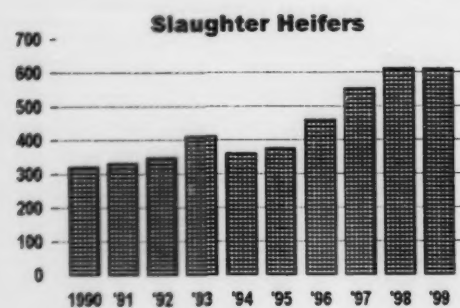
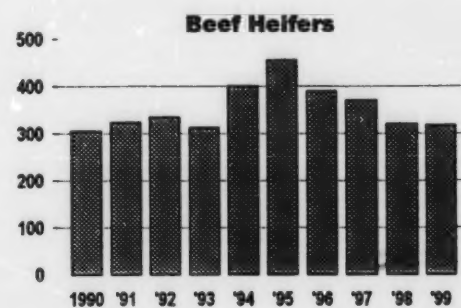
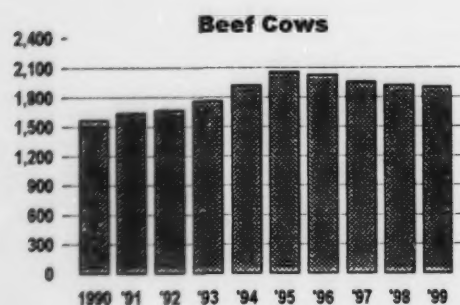
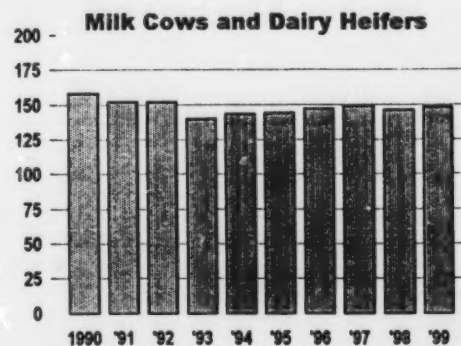
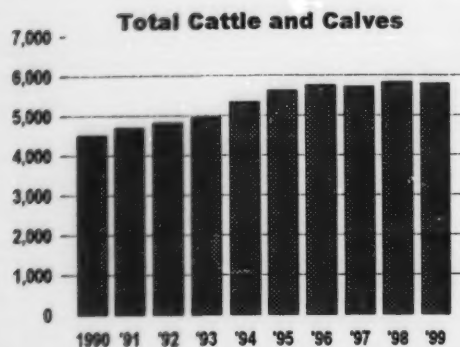


Table 43 Pigs on Alberta Farms, July 1, 1954-1999

	Breeding Stock			All Other Pigs				Total		Alberta
	Boars	Sows	Total	- 45 lbs	45-130 lbs	+130 lbs	Total	Alberta	Canada	as a %
										of Canada
	'000 head									
1954.....	-	-	-	-	-	-	-	1,195.0	4,440.0	26.9
1955.....	-	-	-	-	-	-	-	1,195.0	4,799.5	24.9
1956.....	-	-	-	-	-	-	-	1,211.5	4,730.9	25.6
1957.....	-	-	-	-	-	-	-	1,289.0	4,758.0	27.1
1958.....	-	-	-	-	-	-	-	1,680.0	5,931.0	28.3
1959.....	-	-	-	-	-	-	-	1,759.0	6,519.0	27.0
1960.....	-	-	-	-	-	-	-	1,339.0	5,070.0	26.4
1961.....	-	-	-	-	-	-	-	1,470.0	5,331.2	27.6
1962.....	-	-	-	-	-	-	-	1,190.0	4,981.0	23.9
1963.....	-	-	-	-	-	-	-	1,113.0	5,211.0	21.4
1964.....	-	-	-	-	-	-	-	1,302.0	5,667.0	23.0
1965.....	-	-	-	-	-	-	-	1,169.0	5,147.0	22.7
1966.....	-	-	-	-	-	-	-	1,092.7	5,401.3	20.2
1967.....	-	-	-	-	-	-	-	1,262.0	6,070.0	20.8
1968.....	-	-	-	-	-	-	-	1,266.0	5,771.0	21.9
1969.....	-	-	-	-	-	-	-	1,187.0	5,809.0	20.4
1970.....	-	-	-	-	-	-	-	1,532.0	7,113.0	21.5
1971.....	-	-	-	-	-	-	-	1,739.1	7,624.0	22.8
1972.....	-	-	-	-	-	-	-	1,510.0	6,995.0	21.6
1973.....	-	-	-	-	-	-	-	1,540.0	7,022.0	21.9
1974.....	-	-	-	-	-	-	-	1,375.0	6,564.0	20.9
1975.....	-	-	-	-	-	-	-	920.0	5,284.0	17.4
1976.....	7.6	86.5	94.1	321.8	257.5	206.5	785.8	879.9	5,855.2	15.0
1977.....	7.8	92.0	99.8	339.5	286.9	218.1	844.5	944.3	6,394.0	14.8
1978.....	8.1	96.8	104.9	365.7	296.1	193.3	855.1	960.0	7,373.7	13.0
1979.....	9.5	121.3	130.8	361.1	363.9	274.2	999.2	1,130.0	9,165.8	12.3
1980.....	9.6	125.8	135.4	401.6	393.1	320.9	1,115.6	1,251.0	10,090.5	12.4
1981.....	9.3	127.0	136.3	368.7	380.0	300.0	1,048.7	1,185.0	9,872.2	12.0
1982.....	9.0	125.0	134.0	377.0	370.0	299.0	1,046.0	1,180.0	9,702.5	12.2
1983.....	10.0	133.0	143.0	385.0	393.0	334.0	1,112.0	1,255.0	9,887.6	12.7
1984.....	11.0	155.0	166.0	435.0	464.0	405.0	1,304.0	1,470.0	10,272.5	14.3
1985.....	10.0	152.0	162.0	402.0	461.0	450.0	1,313.0	1,475.0	10,154.0	14.5
1986.....	11.0	159.0	170.0	444.0	472.0	422.0	1,338.0	1,508.0	9,891.3	15.2
1987.....	13.0	175.0	188.0	506.0	506.0	470.0	1,482.0	1,670.0	10,529.1	15.9
1988.....	13.0	184.0	197.0	530.0	562.0	518.0	1,610.0	1,807.0	11,038.3	16.4
1989.....	14.0	185.0	199.0	540.0	543.0	527.0	1,610.0	1,809.0	10,820.5	16.7
1990.....	13.0	176.0	189.0	505.0	505.0	490.0	1,500.0	1,689.0	10,146.3	16.6
1991.....	13.0	187.0	200.0	545.0	525.0	490.0	1,560.0	1,760.0	10,444.5	16.9
1992.....	14.1	198.9	213.0	560.2	606.5	533.4	1,700.1	1,913.1	10,803.0	17.7
1993.....	12.9	194.2	207.1	544.4	571.0	526.1	1,641.5	1,848.6	10,596.4	17.4
1994.....	13.5	196.6	210.1	533.1	536.5	498.9	1,568.5	1,778.6	10,728.1	16.6
1995.....	13.3	191.6	204.9	586.1	624.2	615.9	1,826.2	2,031.1	11,536.0	17.6
1996.....	12.0	178.5	190.5	538.0	591.7	555.7	1,685.4	1,875.9	11,547.6	16.2
1997r....	10.4	182.5	192.8	545.6	568.1	515.5	1,629.2	1,822.0	11,672.4	15.6
1998r....	9.8	181.2	191.0	571.8	551.8	566.3	1,689.9	1,880.9	12,357.1	15.2
1999p...	9.1	178.7	187.8	515.8	559.7	544.6	1,620.1	1,807.9	12,388.0	14.6

Note: Pig statistics prior to 1975 are as of June 1.

Source: Agriculture Division, Statistics Canada

Table 44 Sheep and Lambs on Alberta Farms, July 1, 1954-1999

	Rams	Ewes &	Lambs, Breeding	Lambs, Market	Total		Alberta
	1 Year Plus	Wethers	Under 1 Year	Under 1 Year	Alberta	Canada	as a %
	'000 head						
1954.....	-	-	-	-	387.0	1,635.6	23.7
1955.....	-	-	-	-	409.0	1,634.0	25.0
1956.....	-	-	-	-	404.8	1,619.7	25.0
1957.....	-	-	-	-	426.0	1,628.5	26.2
1958.....	-	-	-	-	435.0	1,629.5	26.7
1959.....	-	-	-	-	465.0	1,608.5	28.9
1960.....	-	-	-	-	495.0	1,607.0	30.8
1961.....	-	-	-	-	496.9	1,548.2	32.1
1962.....	-	-	-	-	469.0	1,449.0	32.4
1963.....	-	-	-	-	431.0	1,346.0	32.0
1964.....	-	-	-	-	400.0	1,272.0	31.4
1965.....	-	-	-	-	355.0	1,132.0	31.4
1966.....	-	-	-	-	301.4	1,005.5	30.0
1967.....	-	-	-	-	260.0	922.0	28.2
1968.....	-	-	-	-	210.0	829.2	25.3
1969.....	-	-	-	-	180.0	796.0	22.6
1970.....	-	-	-	-	199.0	796.0	25.0
1971.....	-	-	-	-	244.9	851.3	28.8
1972.....	-	-	-	-	259.0	845.0	30.7
1973.....	-	-	-	-	255.0	832.5	30.6
1974.....	-	-	-	-	250.0	783.5	31.9
1975.....	-	-	-	-	226.0	702.6	32.2
1976.....	-	-	-	-	183.0	577.2	31.7
1977.....	-	-	-	-	146.5	558.6	26.2
1978.....	-	-	-	-	142.5	587.2	24.3
1979.....	-	-	-	-	153.5	648.7	23.7
1980.....	-	-	-	-	178.0	733.8	24.3
1981.....	-	-	-	-	198.0	803.2	24.7
1982.....	-	-	-	-	203.0	811.9	25.0
1983.....	-	-	-	-	202.0	802.9	25.2
1984.....	4.5	85.5	-	-	188.0	768.8	24.5
1985.....	4.1	75.9	-	-	175.0	720.3	24.3
1986.....	3.9	79.0	17.8	82.9	183.6	694.9	26.4
1987.....	4.3	89.0	21.0	88.7	203.0	731.3	27.8
1988.....	4.6	97.0	23.0	106.4	231.0	788.9	29.3
1989.....	5.0	110.0	26.0	110.0	251.0	827.5	30.3
1990.....	5.6	120.0	28.0	121.4	275.0	874.4	31.5
1991.....	6.0	135.0	32.0	126.0	299.0	917.8	32.6
1992.....	7.6	143.5	36.9	123.0	311.0	897.1	34.7
1993.....	6.0	135.2	27.6	118.2	287.0	883.0	32.5
1994.....	6.3	116.0	29.6	98.1	250.0	825.6	30.3
1995.....	5.7	124.7	31.4	102.2	264.0	857.6	30.8
1996.....	6.0	115.3	30.7	92.5	244.5	846.7	28.9
1997.....	5.8	109.5	28.7	81.7	225.7	821.5	27.5
1998r....	5.5	105.2	26.0	78.2	214.9	829.8	25.9
1999p....	5.5	105.0	25.8	81.0	217.3	885.4	24.5

Note: Sheep statistics prior to 1975 are as of June 1.

Source: Agriculture Division, Statistics Canada

**IMPORTANT NOTE CONCERNING THE FOLLOWING
PAGES**

**THE PAGES WHICH FOLLOW HAVE BEEN FILMED
TWICE IN ORDER TO OBTAIN THE BEST
REPRODUCTIVE QUALITY**

**USERS SHOULD CONSULT ALL THE PAGES
REPRODUCED ON THE FICHE IN ORDER TO OBTAIN
A COMPLETE READING OF THE TEXT.**

**REMARQUE IMPORTANTE CONCERNANT LES
PAGES QUI SUIVENT**

**LES PAGES SUIVANTES ONT ÉTÉ REPRODUITES EN
DOUBLE AFIN D'AMÉLIORER LA QUALITÉ DE
REPRODUCTION**

**LES UTILISATEURS DOIVENT CONSULTER TOUTES
LES PAGES REPRODUITES SUR LA FICHE AFIN
D'OBTENIR LA LECTURE DU TEXTE INTÉGRAL**

Table 45 Livestock Slaughtered (1), Canada and Provinces, 1991-1998

	Canada	Alberta	Sask. & Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cattle and Calves (head)							
1991.....	2,893,894	1,251,314	311,261	76,589	714,926	451,909	87,895
1992.....	3,124,461	1,377,142	266,898	75,297	872,007	438,445	94,672
1993.....	2,927,855	1,438,019	159,302	67,120	788,390	387,525	87,499
1994.....	2,955,652	1,489,255	165,143	57,869	765,064	391,314	87,009
1995.....	3,039,234	1,538,370	194,507	58,027	769,453	389,655	89,222
1996.....	3,381,737	1,795,559	209,471	60,216	818,079	407,384	91,028
1997r.....	3,514,602	1,913,939	207,734	56,394	848,671	394,152	93,712
1998p.....	3,643,922	2,114,169	198,765	53,444	817,400	389,574	70,570

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Hogs (head)								
1991.....	13,861,391	1,898,525	706,354	1,967,649	461,929	3,832,812	4,456,978	537,144
1992.....	15,251,929	2,287,266	910,851	2,092,009	535,610	4,225,328	4,666,685	534,180
1993.....	14,963,984	2,135,232	931,136	1,856,252	539,164	4,304,588	4,698,711	498,901
1994.....	15,247,933	2,125,311	976,949	2,021,569	590,990	4,257,975	4,806,270	468,869
1995.....	15,551,853	2,225,036	873,316	2,000,689	542,168	4,210,329	5,210,481	489,834
1996.....	14,956,745	2,135,395	887,829	1,938,028	423,495	3,506,539	5,578,573	486,886
1997r.....	15,172,954	2,216,615	897,196	2,076,232	285,571	3,198,955	6,017,196	481,189
1998p.....	16,698,377	1,596,267	1,034,921	2,820,840	298,062	3,358,026	7,089,072	501,189

	Canada	Western Canada	Ontario	Quebec	Atlantic Provinces
Sheep and Lambs (head)					
1991.....	344,823	119,465	154,106	62,477	8,775
1992.....	364,925	119,265	172,219	65,476	7,965
1993.....	331,986	94,477	171,733	58,374	7,402
1994.....	328,777	85,102	172,911	64,334	6,430
1995.....	315,012	74,942	166,015	67,811	6,244
1996.....	328,333	78,535	175,191	68,417	6,190
1997r.....	325,494	74,721	174,057	69,454	7,262
1998p.....	319,663	66,878	174,859	69,677	8,249

(1) Data represent livestock slaughtered in federally and provincially inspected plants, irrespective of origin.
Source: Agriculture and Agri-Food Canada

Fig. 30 Slaughter Activity in Alberta, Annual Per Cent Change, 1994-1998

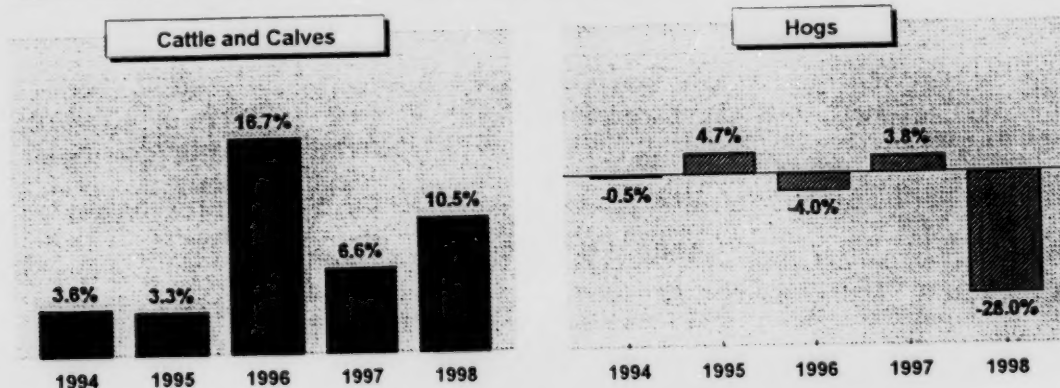


Table 45 Livestock Slaughtered (1), Canada and Provinces, 1991-1998

	Canada	Alberta	Sask. & Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces	
Cattle and Calves (head)								
1991.....	2,893,894	1,251,314	311,261	76,589	714,926	451,909	87,895	
1992.....	3,124,461	1,377,142	266,898	75,297	872,007	438,445	94,672	
1993.....	2,927,855	1,438,019	159,302	67,120	788,390	387,525	87,499	
1994.....	2,955,652	1,489,255	165,143	57,869	765,064	391,312	87,009	
1995.....	3,039,234	1,538,370	194,507	58,027	769,453	389,655	89,222	
1996.....	3,381,737	1,795,559	209,471	60,216	818,079	407,384	91,028	
1997r.....	3,514,602	1,913,939	207,734	56,394	848,671	394,152	93,712	
1998p.....	3,643,922	2,114,169	198,765	53,444	817,400	389,574	70,570	
	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Hogs (head)								
1991.....	13,861,391	1,898,525	706,354	1,967,649	461,929	3,832,812	4,456,978	537,144
1992.....	15,251,929	2,287,266	910,851	2,092,009	535,610	4,225,328	4,666,685	534,180
1993.....	14,963,984	2,135,232	931,136	1,856,252	539,164	4,304,588	4,698,711	498,901
1994.....	15,247,933	2,125,311	976,949	2,021,569	590,990	4,257,975	4,806,270	468,869
1995.....	15,551,853	2,225,036	873,316	2,000,689	542,168	4,210,329	5,210,481	489,834
1996.....	14,956,745	2,135,395	887,829	1,938,028	423,495	3,506,539	5,578,573	486,886
1997r.....	15,172,954	2,216,615	897,196	2,076,232	285,571	3,198,955	6,017,196	481,189
1998p.....	16,698,377	1,596,267	1,034,921	2,820,840	298,062	3,358,026	7,089,072	501,189
	Canada	Western Canada	Ontario	Quebec	Atlantic Provinces			
Sheep and Lambs (head)								
1991.....	344,823	119,465	154,106	62,477	8,775			
1992.....	364,925	119,265	172,219	65,476	7,965			
1993.....	331,986	94,477	171,733	58,374	7,402			
1994.....	328,777	85,102	172,911	64,334	6,430			
1995.....	315,012	74,942	166,015	67,811	6,244			
1996.....	328,333	78,535	175,191	68,417	6,190			
1997r.....	325,494	74,721	174,057	69,454	7,262			
1998p.....	319,663	66,878	174,859	69,677	8,249			

(1) Data represent livestock slaughtered in federally and provincially inspected plants, irrespective of origin.
Source: Agriculture and Agri-Food Canada

Fig. 30 Slaughter Activity in Alberta, Annual Per Cent Change, 1994-1998

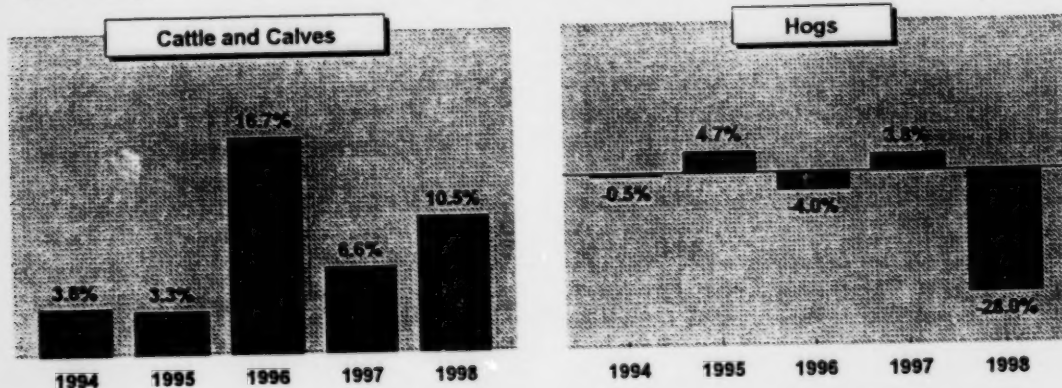


Table 46 Livestock Slaughtered in Alberta (1), 1988-1998

	Steers	Heifers	Cows	Bulls	Total Cattle	Calves	Total Cattle & Calves	Hogs	Sheep & Lambs
	head								
1988.....	679,974	376,208	163,579	6,828	1,226,589	6,326	1,232,915	1,563,774	76,326
1989.....	709,409	377,295	197,953	5,592	1,290,249	6,204	1,296,453	1,605,550	83,996
1990.....	742,298	414,273	167,903	4,976	1,329,450	5,267	1,334,717	1,896,856	80,347
1991.....	716,795	357,942	166,238	5,491	1,246,466	4,848	1,251,314	1,898,525	94,506
1992.....	808,366	388,603	152,763	4,106	1,372,375	4,767	1,377,142	2,287,266	102,042
1993.....	837,044	416,989	171,370	5,734	1,434,639	3,380	1,438,019	2,135,232	80,254
1994.....	892,175	431,947	158,717	4,440	1,487,718	1,537	1,489,255	2,125,311	66,302
1995.....	901,330	438,697	177,807	4,334	1,537,160	1,210	1,538,370	2,225,036	-
1996 Jan.....	-	-	-	-	128,824	74	128,898	169,381	-
Feb.....	-	-	-	-	129,418	66	129,484	169,337	-
Mar.....	-	-	-	-	166,007	39	166,046	209,324	-
Apr.....	-	-	-	-	129,778	48	129,826	166,455	-
May.....	-	-	-	-	146,300	53	146,353	164,178	-
Jun.....	-	-	-	-	190,127	23	190,150	203,865	-
Jul.....	-	-	-	-	146,014	40	146,054	158,082	-
Aug.....	-	-	-	-	145,893	29	145,922	160,910	-
Sep.....	-	-	-	-	173,327	104	173,431	202,183	-
Oct.....	-	-	-	-	139,630	176	139,806	167,737	-
Nov.....	-	-	-	-	134,061	137	134,198	166,093	-
Dec.....	-	-	-	-	165,326	65	165,391	197,850	-
Annual (2).	-	-	-	-	1,794,705	854	1,795,559	2,135,395	-
1997r Jan.....	86,722	67,233	29,822	287	184,064	59	184,123	181,440	-
Feb.....	63,876	63,526	20,848	255	148,505	43	148,548	198,522	-
Mar.....	68,529	57,943	16,731	427	143,616	29	143,645	221,109	-
Apr.....	119,333	65,183	16,766	734	201,844	18	201,862	174,468	-
May.....	105,015	43,182	12,383	740	161,261	22	161,283	161,999	-
Jun.....	105,057	45,957	10,921	919	162,854	13	162,867	214,906	-
Jul.....	90,019	38,882	12,373	491	141,765	33	141,798	172,077	-
Aug.....	81,627	55,789	10,477	345	148,238	118	148,356	169,076	-
Sep.....	74,682	57,506	11,657	323	144,169	49	144,218	214,485	-
Oct.....	83,167	83,764	19,407	372	186,770	82	186,852	184,712	-
Nov.....	74,788	61,167	20,894	256	157,049	74	157,123	164,694	-
Dec.....	72,841	43,888	16,239	290	133,230	34	133,264	159,127	-
Annual (2).	1,025,656	684,020	198,518	5,439	1,913,365	574	1,913,939	2,216,615	-
1998p Jan.....	101,636	69,404	22,027	238	193,287	24	193,311	169,315	-
Feb.....	70,166	62,973	16,285	336	149,758	18	149,776	139,287	-
Mar.....	64,640	63,788	14,010	733	143,171	25	143,196	146,011	-
Apr.....	109,543	70,051	18,132	964	198,689	18	198,707	157,650	-
May.....	104,531	49,514	13,847	665	168,536	88	168,624	44,640	-
Jun.....	110,176	48,097	15,312	1,060	174,644	24	174,668	81,589	-
Jul.....	126,905	63,497	14,476	1,148	204,964	33	204,997	105,992	-
Aug.....	95,810	59,391	11,265	1,168	167,635	23	167,658	106,419	-
Sep.....	74,524	76,200	13,004	564	164,292	30	164,322	133,502	-
Oct.....	89,853	90,420	16,664	859	200,122	68	200,190	179,486	-
Nov.....	69,172	81,980	16,113	579	170,313	31	170,344	153,644	-
Dec.....	94,897	64,737	18,159	564	178,357	19	178,376	178,732	-
Annual (2).	1,111,853	800,052	189,294	8,878	2,113,768	401	2,114,169	1,596,267	-

(1) Data represents livestock slaughtered in federally and provincially inspected plants in Alberta, irrespective of origin. Provincially inspected slaughter rose sharply after 1991 due to a change in data collection procedures.

(2) Cattle by class type: monthly data do not add up to totals, as revisions are unavailable.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Fig. 31 Number of Cattle Slaughtered (Excluding Calves) - Alberta as a Per Cent of Canada, 1989-1998

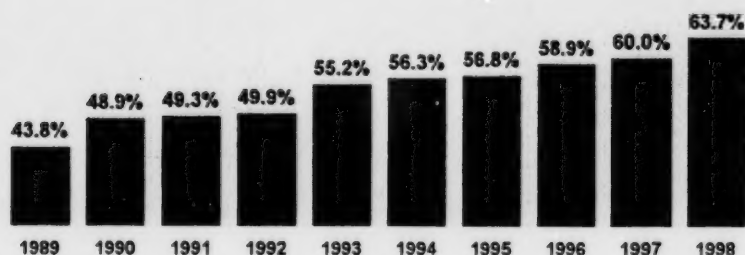


Fig. 32 Cattle and Hogs Slaughtered in Alberta and Canada, 1989-1998

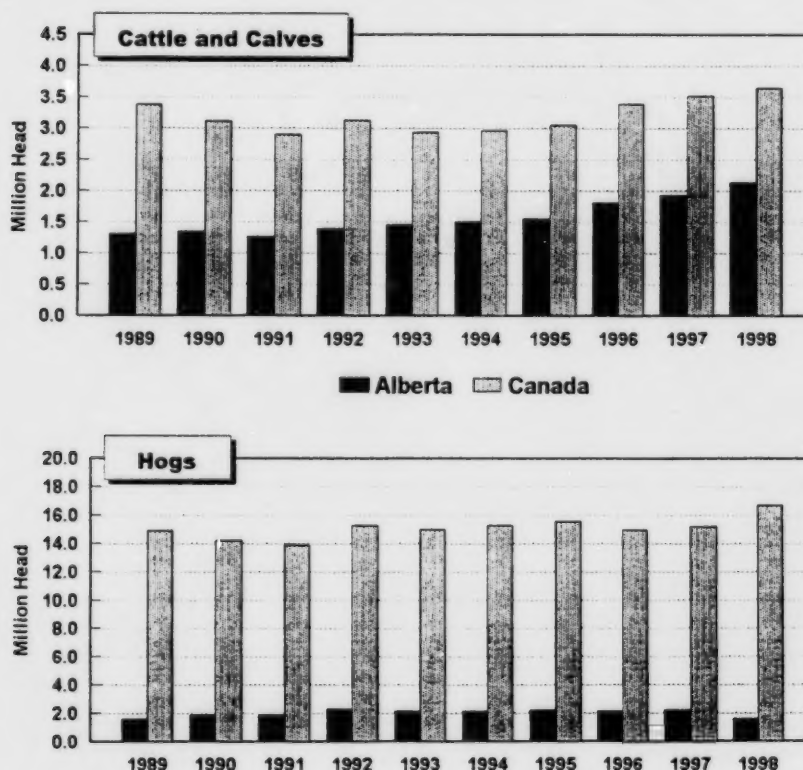


Fig. 31 Number of Cattle Slaughtered (Excluding Calves) - Alberta as a Per Cent of Canada, 1989-1998

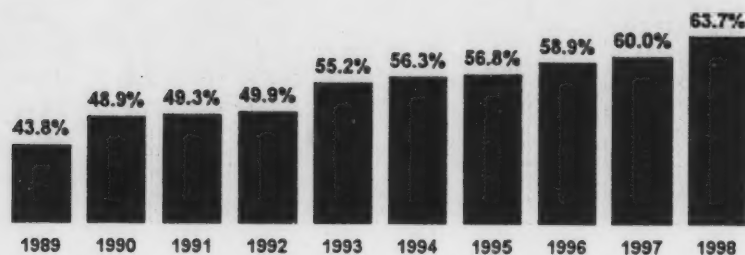


Fig. 32 Cattle and Hogs Slaughtered in Alberta and Canada, 1989-1998

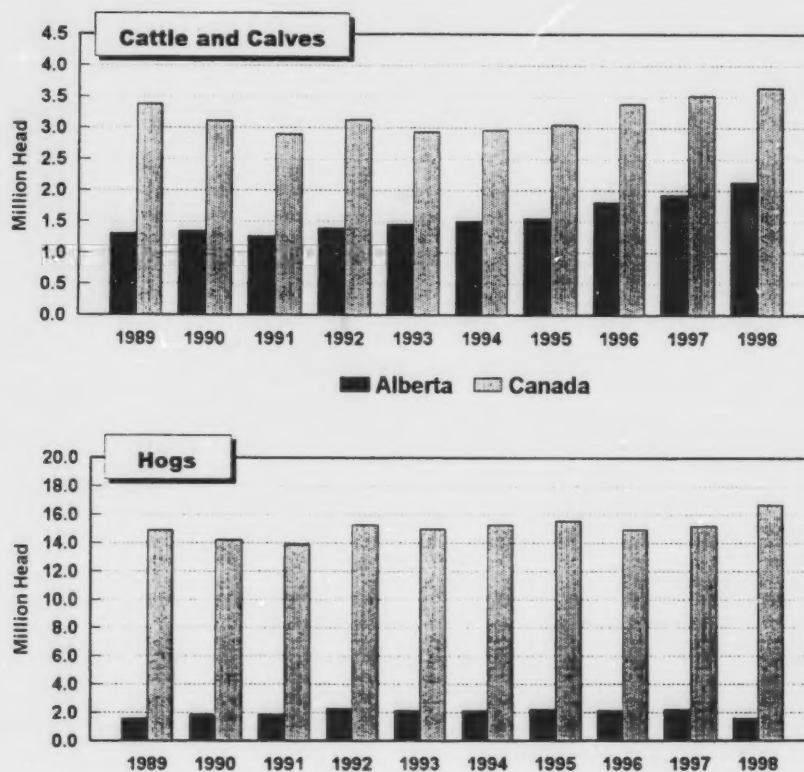


Table 47 Livestock Marketings (1), Canada and Provinces, 1991-1998

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
Cattle and Calf (head) Note: Data are not available for 1998.								
1991.....	2,875,726	1,288,839	235,091	68,593	66,651	736,779	409,783	69,990
1992.....	3,107,921	1,407,802	203,842	54,223	69,569	887,718	412,321	72,446
1993.....	2,891,824	1,423,103	161,806	45,115	60,556	771,938	367,613	61,693
1994.....	2,901,790	1,479,560	158,755	56,716	54,494	743,010	352,321	56,934
1995.....	2,996,805	1,502,356	190,782	70,604	55,503	758,968	356,363	62,229
1996.....	3,350,572	1,743,471	217,343	63,824	60,203	781,276	418,561	65,894
1997.....	3,500,983	1,871,917	219,960	55,045	57,321	793,757	435,098	67,885
1998.....	-	-	-	-	-	-	-	-
Hog (head)								
1991.....	13,861,391	2,027,027	955,299	1,717,307	335,540	3,797,837	4,504,290	524,091
1992.....	15,251,929	2,464,576	1,059,000	2,018,186	305,651	4,232,639	4,648,049	523,828
1993.....	14,963,984	2,384,563	1,031,631	2,001,851	323,904	4,019,152	4,711,398	491,485
1994.....	15,247,933	2,427,873	1,057,551	2,151,389	348,399	3,972,738	4,790,992	498,991
1995.....	15,551,853	2,439,907	1,018,177	2,195,044	328,345	3,973,586	5,075,432	521,362
1996.....	14,956,745	2,224,776	998,608	1,921,233	296,032	3,582,263	5,392,218	541,615
1997.....	15,172,954	2,221,730	935,870	2,072,386	248,689	3,454,676	5,693,744	545,859
1998.....	16,698,377	1,746,343	924,005	2,814,115	266,479	4,029,760	6,321,222	596,453
Sheep and Lamb (head) Note: Data are not available after 1995.								
1991.....	269,220	75,678	1,593	5,715	15,253	102,647	59,928	8,406
1992.....	362,108	99,095	2,553	5,056	11,115	174,089	62,231	7,969
1993.....	333,927	81,568	1,074	4,180	10,230	174,653	54,644	7,578
1994.....	324,479	67,975	842	3,208	9,959	173,980	62,038	6,477
1995.....	308,495	57,562	598	6,634	8,359	167,071	61,914	6,357

(1) Data represent livestock slaughtered in federally and provincially inspected plants by province of origin. Marketings exclude international exports.

Source: Agriculture and Agri-Food Canada

Table 48 Alberta Slaughter Cattle and Calf Marketings (1), 1988-1998

					Total		Total Cattle
					Cattle	Calves	& Calves
					head		
1988.....	Steers	Heifers	Cows	Bulls			
1988.....	657,166	365,835	175,378	11,207	1,209,586	6,360	1,215,946
1989.....	723,032	377,532	213,886	12,008	1,326,449	6,265	1,332,714
1990.....	766,769	420,469	179,924	10,533	1,377,695	5,382	1,383,077
1991.....	732,789	366,311	175,298	9,550	1,283,948	4,891	1,288,839
1992.....	828,920	398,031	168,367	7,744	1,403,062	4,740	1,407,802
1993.....	840,062	416,873	154,920	7,776	1,419,631	3,472	1,423,103
1994.....	897,997	428,784	146,596	4,645	1,478,022	1,538	1,479,560
1995.....	894,901	436,935	162,625	6,683	1,501,144	1,212	1,502,356
1996 Jan.....	-	-	-	-	123,350	76	123,426
Feb.....	-	-	-	-	125,830	66	125,896
Mar.....	-	-	-	-	162,616	41	162,657
Apr.....	-	-	-	-	126,851	48	126,899
May.....	-	-	-	-	139,939	53	139,992
Jun.....	-	-	-	-	189,273	25	189,298
Jul.....	-	-	-	-	181,585	40	181,625
Aug.....	-	-	-	-	139,554	31	139,585
Sep.....	-	-	-	-	132,985	109	133,094
Oct.....	-	-	-	-	165,694	202	165,896
Nov.....	-	-	-	-	130,136	146	130,282
Dec.....	-	-	-	-	124,756	65	124,821
Annual.....	-	-	-	-	1,742,569	902	1,743,471
1997 Jan.....	-	-	-	-	180,442	59	180,501
Feb.....	-	-	-	-	139,778	43	139,821
Mar.....	-	-	-	-	138,975	29	139,004
Apr.....	-	-	-	-	196,741	18	196,759
May.....	-	-	-	-	159,848	22	159,870
Jun.....	-	-	-	-	160,141	13	160,154
Jul.....	-	-	-	-	139,546	33	139,579
Aug.....	-	-	-	-	143,795	118	143,913
Sep.....	-	-	-	-	144,179	49	144,228
Oct.....	-	-	-	-	183,689	82	183,771
Nov.....	-	-	-	-	153,578	74	153,652
Dec.....	-	-	-	-	130,631	34	130,665
Annual.....	-	-	-	-	1,871,343	574	1,871,917
1998p Jan.....	-	-	-	-	-	-	-
Feb.....	-	-	-	-	-	-	-
Mar.....	-	-	-	-	-	-	-
Apr.....	-	-	-	-	-	-	-
May.....	-	-	-	-	-	-	-
Jun.....	-	-	-	-	-	-	-
Jul.....	-	-	-	-	-	-	-
Aug.....	-	-	-	-	-	-	-
Sep.....	-	-	-	-	-	-	-
Oct.....	-	-	-	-	-	-	-
Nov.....	-	-	-	-	-	-	-
Dec.....	-	-	-	-	-	-	-
Annual (2).....	-	-	-	-	1,953,700	400	1,954,100

Note: Monthly breakdown by class type may not add up to monthly and annual totals, as revisions are unavailable. Data estimated in 1998.

(1) Data represents cattle and calves of Alberta origin slaughtered in Alberta and other Canadian provinces.

(2) 1998 annual figures are estimates.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 49 Summary Of Alberta Hog Marketings (1), 1990-1998

	1990	1991	1992	1993	1994	1995	1996 (2)	1997	1998
	head								
Graded.....	2,028,558	1,985,104	2,283,375	2,185,922	2,152,397	2,119,712	995,099	-	-
Emaciated.....	12	20	13	2	21	29	17	-	-
Ridglings.....	10,243	9,577	9,721	9,477	9,868	10,552	5,282	-	-
Sows.....	8,447	2,369	1,791	1,681	2,430	5,674	1,623	-	-
Stags.....	146	46	57	75	1	2	0	-	-
Boars.....	60	44	205	257	296	189	47	-	-
Total Graded.....	2,047,466	1,997,160	2,295,162	2,197,414	2,165,013	2,136,158	1,002,068	-	-
Ungraded.....	18,580	29,240	169,414	187,149	262,860	303,749	157,835	-	-
Grand Total.....	2,066,046	2,026,400	2,464,576	2,384,563	2,427,873	2,439,907	2,224,776	2,221,730	1,746,343

(1) Owing to changes in Alberta's hog grading system, hog marketings by index grading are no longer being reported. The apparent sharp increase in the number of ungraded animals in 1992 and onwards is a result of changes in data collection procedures for provincially inspected slaughter.

(2) Data refers to the six-month period from January to June, 1996. Breakdown data are not available from July to December, 1996. However, the grand total for 1996 is for the whole year.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 50 Alberta Supply and Disposition Livestock Balance Sheet, 1997-1999

July 1 to June 30	Cattle and Calves			Pigs			Sheep and Lambs		
	1997	1998	1999	1997	1998	1999	1997	1998	1999
	'000 head								
Beginning Inventory at July 1 (previous year).....	5,736.0	5,700.0	5,813.0	1,875.9	1,822.0	1,880.9	244.5	225.7	214.9
Births (1).....	1,922.7	1,902.9	1,867.0	2,717.4	2885.9	3060.6	148.1	143.9	150.1
Interprovincial Imports (2).....	739.7	883.2	929.4	0.4	3	3	0.0	0.0	0.0
International Imports.....	6.2	0.5	54.3	0.5	4.8	1.9	1.4	4.8	3
Total Supply.....	8,404.6	8,486.6	8,663.7	4,594.2	4,715.7	4,946.4	394.0	374.4	368.0
Interprovincial Exports (2).....	92.1	89.5	98.4	20.0	20.0	20.0	57.9	62.8	60.9
International Exports.....	614.0	568.3	530.2	409.3	509.1	661.6	12.2	5	9
Total Slaughter (3).....	1,809.8	1,827.8	2,086.0	2,221.0	2179.5	2306.8	77.1	70.3	59.8
Deaths (4).....	188.7	188.0	189.1	121.9	126.2	150.1	21.1	21.4	21
Total Disposition.....	2,704.6	2,673.6	2,903.7	2,772.2	2,834.8	3,138.5	168.3	159.5	150.7
Ending Inventory at June 30 (current year).....	5,700.0	5,813.0	5,760.0	1,822.0	1,880.9	1,807.9	225.7	214.9	217.3

Note: Ending Inventory is derived by subtracting Total Disposition from Total Supply.

(1) Birth estimates for pigs have been adjusted for peri-natal mortality.

(2) Interprovincial imports and exports of feeder animals only. This number reflects net interprovincial movements in the case of sheep and lambs.

(3) Animals slaughtered in federally and provincially inspected plants (adjusted for interprovincial movements) and farm slaughter.

(4) Deaths include on-farm mortality and condemnations at slaughter.

Source: Agriculture Division, Statistics Canada

Table 51 Alberta Direct to Packer Sales, 1988-1998

		Steers - Live Sales		Heifers - Live Sales		Steers - Railgrade		Heifers - Railgrade	
		No. Sold	\$/100 lbs	No. Sold	\$/100 lbs	No. Sold	\$/100 lbs	No. Sold	\$/100 lbs
1988.....		243,721	80.33	102,544	78.39	60,867	140.52	22,637	138.69
1989.....		328,215	81.36	116,658	80.06	55,969	141.49	23,579	142.42
1990.....		354,141	84.26	166,755	82.79	51,370	144.60	26,483	144.84
1991.....		359,393	78.13	148,303	77.52	72,533	135.57	21,717	137.68
1992.....		421,666	81.89	177,243	80.88	60,277	139.19	15,766	140.85
1993.....		430,342	91.90	201,353	90.79	54,959	157.11	11,610	156.92
1994.....		464,569	86.17	172,619	87.12	18,356	155.30	6,338	152.34
1995.....		512,953	82.91	195,000	84.72	20,995	139.98	5,178	147.60
1996	Jan.....	28,989	79.33	19,201	79.47	2,769	136.30	485	138.87
	Feb.....	28,990	75.30	20,166	74.57	1,228	129.10	1,381	132.45
	Mar....	34,068	76.06	21,271	74.92	5,918	129.86	1,921	131.77
	Apr....	32,411	71.97	11,021	71.42	17,858	122.59	3,414	121.17
	May....	49,521	72.65	18,793	71.60	12,489	121.51	1,206	120.47
	Jun.....	58,284	73.17	17,453	72.36	8,587	122.93	1,972	122.13
	Jul.....	42,671	78.09	19,076	77.56	4,724	131.36	957	132.82
	Aug....	43,486	81.84	14,594	81.61	5,466	136.21	1,612	136.99
	Sep....	45,415	86.50	22,751	86.78	6,513	144.83	1,571	145.19
	Oct.....	32,077	87.25	21,437	87.30	1,662	144.61	1,529	145.92
	Nov....	33,691	87.68	14,433	87.64	2,178	149.24	1,166	149.41
	Dec....	31,395	79.15	19,021	78.57	4,246	135.12	2,152	137.12
	Annual.	460,998	78.80	219,217	78.89	73,638	129.20	19,366	132.79
1997	Jan.....	33,927	79.65	24,438	79.34	2,713	135.77	1,330	135.39
	Feb.....	28,592	82.28	26,710	81.73	2,353	140.98	956	140.58
	Mar....	34,211	87.13	21,970	86.07	8,574	147.77	4,507	147.36
	Apr....	49,662	86.59	17,104	85.71	7,662	145.00	3,945	145.10
	May....	54,550	85.70	19,477	84.90	10,128	143.53	2,556	143.39
	Jun.....	61,456	82.19	22,017	81.15	7,953	137.94	1,209	136.64
	Jul.....	41,632	82.62	16,636	82.01	5,613	137.55	3,394	137.10
	Aug....	40,069	84.31	12,276	84.73	5,610	140.08	2,693	139.37
	Sep....	50,022	80.52	22,299	82.47	7,460	134.00	3,426	137.33
	Oct.....	35,092	83.00	21,922	84.96	2,958	138.61	2,053	143.03
	Nov....	35,253	86.95	21,251	87.83	3,242	147.04	2,075	148.31
	Dec....	32,888	86.70	13,044	87.45	4,260	147.23	3,072	149.48
	Annual.	497,354	83.92	239,144	83.77	68,526	141.56	31,216	137.88
1998	Jan.....	43,207	84.78	19,403	85.27	6,014	143.40	1,457	143.67
	Feb.....	31,040	82.45	22,680	83.34	2,761	140.73	1,800	142.80
	Mar....	35,423	83.42	19,532	83.60	4,227	141.12	1,818	140.55
	Apr....	57,698	86.60	20,628	85.41	13,858	145.93	3,170	146.49
	May....	56,290	86.35	20,694	85.99	12,257	143.90	2,670	144.58
	Jun.....	52,516	83.47	15,326	83.44	9,303	138.92	1,015	139.43
	Jul.....	59,948	79.90	19,834	80.53	8,737	132.40	2,471	133.82
	Aug....	55,208	81.44	23,036	84.30	7,394	135.36	1,518	136.71
	Sep....	42,688	77.84	22,750	80.00	5,969	130.17	2,374	132.82
	Oct.....	39,447	84.03	27,300	85.88	4,698	140.67	4,612	145.82
	Nov....	26,132	88.50	15,697	89.03	3,610	151.29	2,385	151.74
	Dec....	37,038	86.68	17,252	87.81	4,782	149.29	4,031	146.94
	Annual.	536,635	83.60	244,132	84.44	83,610	140.91	29,321	143.04

Source: "Livestock Market Review", Agriculture and Agri-Food Canada

Table 52 Alberta Slaughter Cattle Prices, 1989-1998

	Slaughter Steers (1)	Slaughter Heifers (1)	Cows D1/D2	Cows D3	Feeder Cows	Bulls
	\$/100 lbs live					
1989.....	81.54	80.15	54.72	48.90	58.99	66.76
1990.....	84.30	82.70	58.23	52.14	62.24	70.23
1991.....	78.31	77.60	54.98	49.43	60.40	68.64
1992.....	82.22	81.15	55.46	50.38	59.28	68.73
1993.....	92.02	90.73	62.90	56.38	67.60	75.33
1994.....	86.34	87.12	60.31	54.23	65.95	73.48
1995.....	82.90	84.71	51.26	45.09	55.68	59.46
1996.....	78.42	78.67	44.92	38.17	44.54	48.58
1997.....	84.00	83.85	50.48	44.11	53.01	56.84
1998p Jan....	84.69	85.04	49.99	44.85	52.40	55.67
Feb....	82.56	83.39	51.47	44.80	52.61	58.98
Mar....	83.45	83.60	51.97	46.83	52.32	60.19
Apr....	86.74	85.50	53.49	47.97	56.76	64.03
May....	86.33	85.93	54.65	49.42	57.25	66.43
Jun....	83.44	83.28	52.94	47.04	56.25	65.27
Jul....	79.81	80.32	53.83	48.27	55.00	65.49
Aug....	80.95	82.13	53.75	47.86	54.16	64.61
Sep....	78.35	80.14	48.35	43.02	51.18	60.88
Oct....	84.06	86.01	46.66	41.21	48.71	56.80
Nov....	88.67	89.13	46.90	41.92	51.63	57.14
Dec....	86.81	87.49	46.93	42.17	51.19	57.35
Annual.	83.56	84.17	50.91	45.45	53.29	61.07

(1) Weighted average of weekly prices.

Source: Canfax

Fig. 33 Alberta Slaughter Cattle Prices, 1989-1998

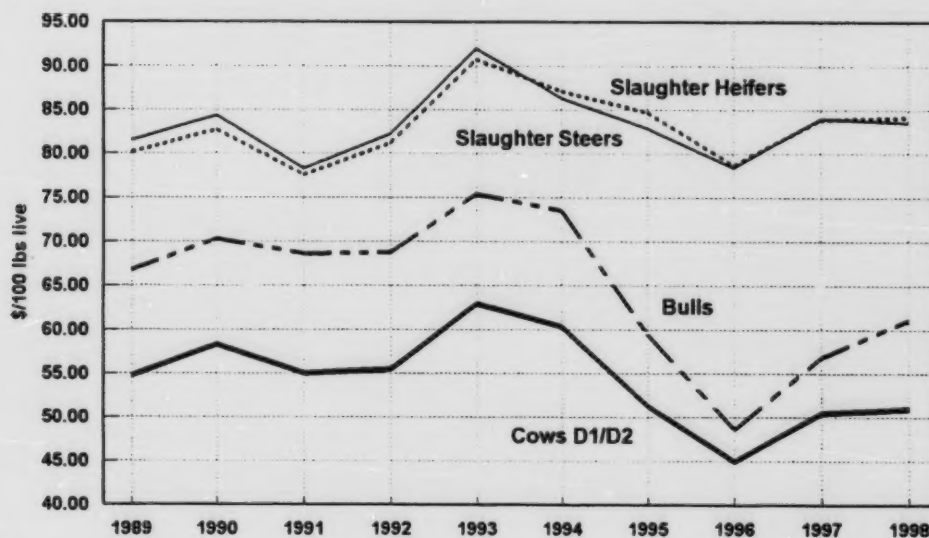


Table 53 Average Feeder Cattle Prices, Edmonton (1), 1987-1998

Feeder Steers					Feeder Heifers			
	+900 lbs	800 to 900 lbs (2)	700 to 800 lbs	600 to 700 lbs	+800 lbs	700 to 800 lbs (3)	600 to 700 lbs	500 to 600 lbs
	\$ / 100 lbs live				\$ / 100 lbs live			
1987.....	88.42	94.90	99.53	105.94	83.16	89.09	95.33	102.06
1988.....	85.71	92.01	99.24	104.52	81.11	87.39	92.70	96.79
1989.....	84.82	89.77	93.04	97.18	79.91	84.34	87.66	91.32
1990.....	85.79	91.56	93.73	97.69	82.51	86.86	88.88	93.86
1991.....	88.63	94.51	98.77	103.11	87.05	91.65	96.04	99.36
1992.....	85.77	89.21	94.65	102.25	83.84	87.43	93.21	99.90
1993.....	103.31	106.52	112.34	121.18	100.79	105.20	110.86	118.67
1994.....	101.16	107.11	110.79	114.10	100.11	106.84	109.50	113.45
1995.....	85.91	91.36	93.78	94.17	86.71	90.49	91.01	91.29
1996 Jan....	70.25	69.76	69.88	71.94	65.19	65.65	65.66	66.97
Feb....	66.34	67.06	68.06	70.44	61.19	64.26	62.62	64.00
Mar....	67.26	68.14	69.73	72.88	61.75	62.92	65.22	66.44
Apr....	65.00	67.50	71.00	74.25	60.16	62.94	63.75	64.84
May....	66.25	68.93	70.10	71.70	59.93	61.65	62.60	62.56
Jun....	72.44	75.25	76.63	77.51	67.50	70.50	71.13	71.16
Jul....	76.05	78.50	80.40	81.40	72.98	74.20	74.20	75.00
Aug....	81.44	82.44	83.06	83.13	75.63	76.75	76.25	76.00
Sep....	81.19	82.19	82.09	81.75	75.59	75.91	73.84	73.25
Oct....	79.05	79.70	79.56	79.28	72.58	72.93	70.60	70.00
Nov....	80.38	81.75	81.28	81.78	74.91	73.21	72.22	73.31
Dec....	76.66	77.50	78.33	78.75	70.00	70.50	69.94	71.44
Annual.	73.53	74.89	75.84	77.07	68.12	69.29	69.00	69.58
1997 Jan....	81.69	83.88	85.00	88.88	75.81	76.84	77.41	78.69
Feb....	83.00	85.34	88.51	95.38	78.78	81.63	83.25	85.50
Mar....	82.19	84.47	88.53	94.13	78.59	82.53	84.81	86.91
Apr....	82.96	88.90	93.40	98.33	81.80	86.15	88.45	89.15
May....	88.31	95.09	99.47	104.59	85.75	92.88	96.15	98.63
Jun....	87.91	96.09	101.75	107.53	89.13	93.38	97.88	103.25
Jul....	95.80	102.43	105.80	112.00	92.50	96.85	101.60	103.60
Aug....	96.13	105.38	109.75	114.63	96.48	101.84	106.38	110.13
Sep....	93.25	101.44	106.97	109.53	93.53	97.69	100.03	102.50
Oct....	92.53	101.40	104.83	108.45	92.46	96.80	100.80	104.40
Nov....	93.03	100.88	103.66	108.38	91.70	95.00	96.09	102.16
Dec....	95.38	103.19	106.63	110.50	94.19	97.28	99.00	104.06
Annual.	89.35	95.71	99.53	104.36	87.56	91.57	94.32	97.42
1998p Jan....	94.63	100.88	107.63	114.13	91.25	98.00	103.75	108.69
Feb....	90.59	98.22	106.00	114.81	89.98	96.75	105.59	113.97
Mar....	90.56	97.28	105.11	114.00	90.38	99.22	105.25	112.75
Apr....	90.25	97.98	104.83	114.20	91.70	99.60	105.60	113.45
May....	91.88	101.09	107.38	117.50	92.81	101.38	106.88	113.13
Jun....	87.50	99.75	109.00	116.13	91.38	101.50	105.88	112.25
Jul....	86.20	94.80	100.30	108.20	88.80	96.78	101.73	105.30
Aug....	87.45	95.38	100.38	106.88	88.61	94.38	97.31	101.94
Sep....	88.44	96.40	100.80	105.80	88.41	94.85	99.30	105.35
Oct....	91.94	99.20	103.94	107.25	91.66	97.44	101.78	105.09
Nov....	95.75	101.38	103.84	107.59	93.45	97.56	102.78	107.50
Dec....	94.38	100.31	103.50	109.94	91.22	97.94	103.91	110.69
Annual.	90.80	98.56	104.39	111.37	90.80	97.95	103.31	109.18

(1) Prices prior to 1996 are weighted averages.

(2) Weight class prior to 1986: "+800 lbs".

(3) Weight class prior to 1986: "+700 lbs".

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 54 Average Feeder Cattle Prices, Southern Alberta (1), 1987-1998

		Feeder Steers				Feeder Heifers			
		+900 lbs	800 to 900 lbs (2)	700 to 800 lbs	600 to 700 lbs	+800 lbs	700 to 800 lbs (3)	600 to 700 lbs	500 to 600 lbs
		\$/100 lbs live				\$/100 lbs live			
1987.....		91.74	96.47	101.91	111.06	88.75	94.43	99.42	105.37
1988.....		89.31	94.67	95.67	96.67	87.30	91.76	97.78	101.34
1989.....		89.49	92.81	95.98	102.71	87.15	89.64	93.40	97.43
1990.....		89.48	94.09	96.84	102.58	87.93	90.90	94.21	99.62
1991.....		89.91	94.53	99.94	103.36	87.47	94.48	98.11	99.26
1992.....		88.34	91.58	93.88	102.26	88.52	91.17	95.45	102.02
1993.....		101.85	105.33	109.14	119.73	102.66	106.24	113.26	120.75
1994.....		100.94	106.63	112.72	113.96	101.83	108.78	114.31	112.89
1995.....		86.45	93.98	97.38	97.08	87.15	92.70	95.17	91.88
1996	Jan.....	66.00	70.70	68.97	68.53	64.50	66.26	64.75	65.28
	Feb.....	64.28	66.49	68.03	67.76	60.27	64.80	63.28	64.16
	Mar.....	67.00	69.34	71.00	72.25	60.93	65.88	65.88	66.75
	Apr.....	67.00	68.53	70.71	73.05	61.14	65.03	65.22	66.38
	May.....	66.75	69.03	71.90	73.67	59.04	64.97	65.52	63.90
	Jun.....	72.20	76.82	78.34	79.69	66.58	73.25	72.84	72.56
	Jul.....	76.23	79.60	82.02	80.53	71.93	77.18	78.13	74.47
	Aug.....	80.55	83.41	83.03	81.78	75.62	80.53	77.28	78.19
	Sep.....	81.99	85.81	83.54	82.22	75.66	81.71	79.09	76.44
	Oct.....	80.37	82.38	82.08	80.39	75.17	80.09	76.27	73.73
	Nov.....	77.85	79.92	81.16	84.31	73.85	76.88	75.78	77.19
	Dec.....	76.93	80.41	82.19	82.25	70.47	73.34	75.19	75.84
	Annual.	73.10	76.04	76.91	77.20	67.93	72.49	71.60	71.24
1997	Jan.....	79.00	79.29	84.83	86.26	71.08	74.63	76.66	76.03
	Feb.....	81.13	85.34	86.55	90.61	77.26	81.97	86.09	89.03
	Mar.....	83.02	86.63	92.47	100.94	77.74	87.50	90.48	92.33
	Apr.....	82.13	89.96	96.32	104.23	83.38	91.63	94.76	95.00
	May.....	88.97	95.74	98.03	106.13	87.78	95.03	97.06	98.19
	Jun.....	85.81	93.31	103.13	109.94	84.81	97.84	102.09	107.67
	Jul.....	93.80	107.86	104.92	105.75	90.32	100.67	105.50	105.31
	Aug.....	96.89	106.31	108.46	112.50	96.88	103.94	106.92	104.33
	Sep.....	93.41	104.33	108.00	110.38	96.20	103.82	104.31	104.09
	Oct.....	92.94	104.45	106.45	110.91	96.21	101.53	107.40	109.50
	Nov.....	92.88	100.16	103.95	109.03	91.78	96.06	102.63	108.12
	Dec.....	91.75	103.13	104.41	109.72	92.42	99.50	105.28	111.13
	Annual.	88.48	96.38	99.79	104.70	87.16	94.51	98.27	100.06
1998p	Jan.....	91.92	103.29	107.75	116.21	89.15	104.29	109.08	113.92
	Feb.....	88.76	99.70	104.88	114.53	87.22	100.63	107.25	112.75
	Mar.....	89.94	97.70	106.88	117.17	92.34	101.63	109.51	114.21
	Apr.....	90.63	99.11	107.36	115.51	91.95	104.34	108.32	112.95
	May.....	90.41	98.44	107.42	118.25	93.38	101.19	106.41	109.88
	Jun.....	86.72	97.22	105.56	113.34	90.94	100.34	105.91	108.46
	Jul.....	85.47	97.54	104.22	108.28	88.91	95.65	102.83	109.81
	Aug.....	89.56	97.01	102.25	104.71	89.03	95.03	98.00	99.75
	Sep.....	89.22	96.91	102.28	104.88	90.08	97.98	98.68	104.43
	Oct.....	90.99	100.00	102.59	111.53	92.56	100.16	107.50	112.84
	Nov.....	92.34	102.18	106.22	112.69	94.48	100.44	107.00	113.63
	Dec.....	88.88	96.91	102.75	110.63	90.09	100.03	106.50	111.78
	Annual.	89.57	98.83	105.01	112.31	90.84	100.14	105.58	110.37

(1) Prices prior to 1996 are weighted averages.

(2) Weight class prior to 1986: "+800 lbs".

(3) Weight class prior to 1986: "+700 lbs".

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 55 Average Calf Prices, Edmonton (1), 1987-1998

		Feeder Steer Calves			Feeder Heifer Calves	
		500 to 600 lbs	400 to 500 lbs	Under 400 lbs	400 to 500 lbs	300 to 400 lbs
		\$ / 100 lbs live			\$ / 100 lbs live	
1987.....		116.24	123.83	131.34	108.48	115.98
1988.....		109.60	115.40	119.13	103.79	105.68
1989.....		104.66	108.33	113.20	97.22	102.48
1990.....		103.09	108.17	114.48	98.37	102.21
1991.....		108.64	113.35	122.61	107.00	114.06
1992.....		108.38	113.65	123.54	105.76	113.17
1993.....		130.94	140.52	154.28	126.59	136.01
1994.....		120.18	132.90	144.43	122.24	132.86
1995.....		97.24	101.75	108.17	92.86	97.74
1996	Jan....	74.81	75.19	76.88	68.25	68.19
	Feb....	72.25	74.00	74.88	65.13	65.50
	Mar....	75.28	75.50	75.75	67.25	67.50
	Apr....	76.25	77.00	76.25	65.69	66.13
	May....	73.60	72.70	73.20	62.95	62.60
	Jun....	77.88	78.88	80.50	71.25	72.75
	Jul....	82.30	83.83	85.70	75.40	76.50
	Aug....	83.25	85.88	86.75	76.25	77.38
	Sep....	80.38	82.38	84.25	73.50	74.00
	Oct....	79.70	81.80	81.70	69.50	69.80
	Nov....	83.94	84.81	84.63	72.91	72.78
	Dec....	82.06	83.00	82.25	72.54	71.31
	Annual.	78.48	79.58	80.23	70.05	70.37
1997	Jan....	91.06	91.25	92.38	79.13	80.25
	Feb....	99.88	102.25	102.13	86.88	86.00
	Mar....	99.75	103.13	101.38	88.75	87.00
	Apr....	101.40	103.80	106.20	91.55	91.35
	May....	108.00	110.50	113.88	99.00	98.75
	Jun....	112.38	115.00	116.38	103.25	105.75
	Jul....	114.60	117.50	119.80	104.70	104.90
	Aug....	122.88	124.88	129.00	112.91	114.75
	Sep....	111.75	119.94	123.13	109.00	110.00
	Oct....	111.85	121.30	125.33	105.35	107.80
	Nov....	114.31	120.94	122.28	106.31	107.06
	Dec....	118.91	126.00	126.13	107.50	109.75
	Annual.	108.90	113.04	114.84	99.53	100.28
1998p	Jan....	120.50	127.75	128.88	113.20	114.38
	Feb....	124.84	132.75	133.75	119.88	123.63
	Mar....	122.25	128.72	132.75	117.38	120.75
	Apr....	124.80	131.78	133.30	120.60	120.50
	May....	123.63	129.13	130.38	115.75	116.13
	Jun....	122.38	129.25	130.00	115.38	117.50
	Jul....	111.80	123.50	132.45	113.50	115.20
	Aug....	110.75	120.38	133.50	110.13	117.50
	Sep....	111.40	118.20	124.40	109.50	112.70
	Oct....	113.69	124.31	129.06	111.13	115.72
	Nov....	118.66	129.19	133.13	114.94	119.00
	Dec....	117.78	128.88	129.63	118.00	121.81
	Annual.	118.54	126.99	130.94	114.95	117.90

(1) Prices prior to 1996 are weighted averages.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 56 Average Calf Prices, Southern Alberta (1), 1987-1998

		Feeder Steer Calves			Feeder Heifer Calves	
		500 to 600 lbs	400 to 500 lbs	Under 400 lbs	400 to 500 lbs	300 to 400 lbs
		\$ / 100 lbs live			\$ / 100 lbs live	
1987.....		117.03	123.96	135.34	111.95	120.09
1988.....		110.34	115.24	121.77	105.10	109.58
1989.....		106.50	113.38	117.20	100.98	104.95
1990.....		107.29	113.71	117.84	104.87	107.42
1991.....		106.21	112.06	119.41	104.01	109.78
1992.....		109.60	117.38	121.70	106.72	110.08
1993.....		129.88	139.10	144.25	127.54	131.78
1994.....		116.95	124.08	128.28	118.36	120.97
1995.....		95.35	99.12	105.89	93.24	96.29
1996	Jan....	69.75	81.00	-	67.38	-
	Feb....	70.75	72.94	-	66.88	-
	Mar....	74.09	77.00	-	67.19	75.00
	Apr....	73.73	72.88	-	66.41	-
	May....	74.44	75.08	-	63.63	-
	Jun....	81.41	80.04	-	74.38	70.50
	Jul....	78.38	80.00	-	78.83	-
	Aug....	83.56	77.75	77.67	76.63	75.33
	Sep....	81.59	82.22	82.63	76.66	75.83
	Oct....	82.50	81.30	83.75	74.25	72.63
	Nov....	83.41	87.00	87.06	72.50	72.69
	Dec....	83.09	82.44	81.91	72.72	73.13
	Annual.	78.06	79.14	82.60	71.46	73.59
1997	Jan....	87.88	87.25	78.75	77.72	72.83
	Feb....	97.41	98.75	88.33	84.50	73.00
	Mar....	102.81	102.63	-	90.53	87.13
	Apr....	108.25	108.35	118.00	94.22	94.17
	May....	107.25	111.25	-	102.00	91.25
	Jun....	112.50	112.75	-	105.25	-
	Jul....	115.00	122.25	-	-	114.25
	Aug....	118.56	125.67	130.50	111.17	94.50
	Sep....	114.31	124.19	124.56	112.38	116.78
	Oct....	112.80	123.93	127.20	112.90	115.30
	Nov....	115.69	125.06	126.91	113.13	109.97
	Dec....	117.53	126.81	122.50	114.92	115.44
	Annual.	109.17	114.07	114.59	101.70	98.60
1998p	Jan....	125.25	136.88	-	118.13	114.00
	Feb....	128.50	128.38	126.88	119.13	116.50
	Mar....	125.50	128.88	-	116.08	129.50
	Apr....	122.23	124.80	127.33	114.06	129.13
	May....	123.47	126.50	126.50	110.03	116.75
	Jun....	120.21	122.00	-	115.13	-
	Jul....	116.00	127.50	127.50	127.50	127.50
	Aug....	108.75	116.19	120.00	107.50	111.50
	Sep....	111.13	115.50	123.75	110.53	112.95
	Oct....	119.72	125.81	130.38	115.25	120.13
	Nov....	119.38	131.66	137.16	119.34	126.63
	Dec....	117.88	126.13	135.25	117.88	123.88
	Annual.	119.84	125.85	128.31	115.88	120.77

(1) Prices prior to 1996 are weighted averages.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Canfax

Table 57 Alberta Average Slaughter Hog Prices (1), 1988-1998

		Index 100 Dressed (1)	Sows Dressed (1)	Sows Live (2)	Boars Live (2)
		\$ /kg			
1988.....		1.27	0.72	0.56	0.39
1989.....		1.26	0.81	0.63	0.36
1990.....		1.54	1.10	0.94	0.78
1991.....		1.36	1.07	0.84	0.72
1992.....		1.24	0.95	0.73	0.53
1993.....		1.46	1.12	0.84	0.60
1994.....		1.37	0.91	0.72	0.55
1995.....		1.47	0.98	0.73	0.56
1996.....		1.82	1.24	-	-
1997	Jan.....	1.82	-	-	-
	Feb.....	1.81	-	-	-
	Mar.....	1.67	-	-	-
	Apr.....	1.85	-	-	-
	May.....	2.02	-	-	-
	Jun.....	2.00	-	-	-
	Jul.....	2.04	-	-	-
	Aug.....	1.96	-	-	-
	Sep.....	1.72	-	-	-
	Oct.....	1.61	-	-	-
	Nov.....	1.56	-	-	-
	Dec.....	1.50	-	-	-
	Annual.....	1.80	-	-	-
1998	Jan.....	1.29	-	-	-
	Feb.....	1.22	-	-	-
	Mar.....	1.20	-	-	-
	Apr.....	1.23	-	-	-
	May.....	1.50	-	-	-
	Jun.....	1.49	-	-	-
	Jul.....	1.29	-	-	-
	Aug.....	1.29	-	-	-
	Sep.....	1.01	-	-	-
	Oct.....	0.98	-	-	-
	Nov.....	0.61	-	-	-
	Dec.....	0.46	-	-	-
	Annual.....	1.13	-	-	-

(1) Weighted average prices with the exception of annual prices for 1996 (simple averages); 1997 and 1998 prices are Alberta Agriculture, Food and Rural Development estimates.

(2) Simple average prices.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Alberta Agriculture, Food and Rural Development

Fig. 34 Alberta Average Index 100 Dressed Hog Prices, 1988-1998

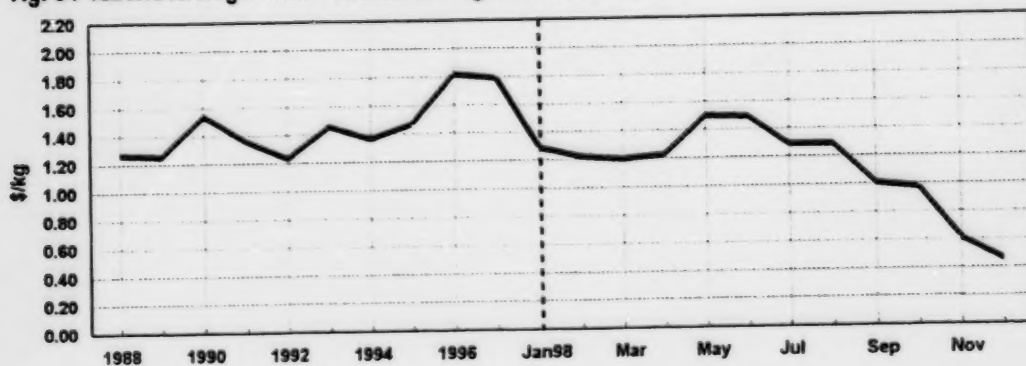


Table 58 Average Lamb Prices, Edmonton (1), 1996-1998

		A & B < 60 lbs	A & B 61 to 80 lbs	A & B 81 to 94 lbs	A & B 95 to 109 lbs
		\$/100 lbs			
1996	Jan.....	76.00	110.00	103.00	95.50
	Feb.....	109.00	113.40	109.00	102.50
	Mar.....	151.00	133.00	123.00	114.00
	Apr.....	135.75	120.00	123.00	115.00
	May.....	126.00	124.00	117.50	104.00
	Jun.....	130.00	124.00	121.00	116.00
	Jul.....	114.00	110.00	108.00	109.00
	Aug.....	108.00	108.35	100.00	103.25
	Sep.....	106.00	107.50	104.25	103.00
	Oct.....	112.00	109.25	105.25	103.75
	Nov.....	113.00	125.00	117.60	111.75
	Dec.....	131.00	128.00	119.00	107.00
	Annual..	117.65	117.71	112.55	107.06
1997	Jan.....	140.00	141.00	122.00	119.00
	Feb.....	131.00	138.00	130.00	124.00
	Mar.....	152.80	146.00	136.30	128.35
	Apr.....	150.00	146.00	130.00	134.00
	May.....	161.00	149.00	149.00	133.00
	Jun.....	127.30	129.00	122.00	117.00
	Jul.....	119.00	117.00	119.00	114.00
	Aug.....	112.00	112.00	105.25	103.00
	Sep(2)...	121.40	119.50	112.80	108.95
	Oct(2)...	114.50	128.00	117.00	107.50
	Nov.....	111.00	127.00	118.35	111.70
	Dec.....	144.65	134.00	129.60	116.80
	Annual..	132.05	132.21	124.28	118.11
1998p	Jan.....	134.30	135.00	122.50	117.25
	Feb.....	142.50	124.80	124.70	115.50
	Mar.....	118.20	130.50	116.50	114.70
	Apr.....	128.25	126.00	121.00	117.50
	May.....	139.45	119.50	111.30	100.00
	Jun.....	122.35	114.00	104.75	101.50
	Jul.....	108.00	104.20	93.00	89.30
	Aug.....	107.50	99.60	92.50	89.20
	Sep.....	88.70	90.00	85.00	76.75
	Oct.....	104.50	101.75	95.25	83.50
	Nov.....	106.00	118.25	92.00	88.25
	Dec.....	112.35	104.00	94.50	89.00
	Annual..	117.68	113.97	104.42	98.54

(1) Simple Average Prices.

(2) Prices from the second sale of the month.

Source: North Central Sheep and Goat Sales, Edmonton Stockyard Inc.

Table 59 Alberta Sheep and Lamb Marketings (1), 1988-1998

	Sheep	Lambs	Total Sheep and Lambs
1988.....	4,767	51,138	55,905
1989.....	4,844	63,394	68,238
1990.....	5,377	62,808	68,185
1991.....	6,269	69,409	75,678
1992.....	3,657	82,827	86,484
1993.....	3,848	77,720	81,568
1994.....	5,190	62,785	67,975
1995.....	1,690	55,872	57,562
1996 (2).....	-	-	64,900 (est)
1997 (2).....	-	-	59,900 (est)
1998 (2).....	-	-	56,400 (est)

(1) These data represent sheep and lambs of Alberta origin slaughtered in Alberta and other Canadian provinces.

(2) Estimate from Alberta's sheep and lamb balance sheets.

Source: "Livestock Market Review", Agriculture and Agri-Food Canada; and Statistics Canada

**Table 60 Alberta Brand Inspection Record of Live Cattle and Calf Shipments
Out-Of-Province (1), 1997 and 1998**

	B.C.		Saskatchewan		Manitoba		Ontario		Quebec	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
	head									
Feeders.....	12,044	12,248	31,956	32,257	1,845	2,950	33,909	33,588	98	90
Bulls.....	338	498	356	385	60	398	61	6	0	0
Cows.....	1,586	2,188	2,404	1,618	193	1,160	222	5	0	0
Heifers.....	2,440	5,646	11,161	7,578	861	368	8,707	8,413	0	0
Steers.....	6,666	8,250	17,380	21,533	195	750	21,305	22,317	98	0
Calves.....	528	380	420	1,043	470	197	3,533	2,349	0	90
Yearlings.....	486	286	235	100	66	77	81	498	0	0
Slaughter.....	14,897	19,912	34,550	35,326	1,537	1,034	8,776	13,647	78	0
Bulls.....	3,495	2,975	5,241	3,801	386	201	614	165	0	0
Cows.....	10,744	14,705	24,057	25,797	661	327	1,099	549	0	0
Heifers.....	198	980	2,226	1,495	274	131	501	1,548	0	0
Steers.....	459	1,239	2,868	4,077	216	375	6,562	11,385	78	0
Calves.....	1	7	18	2	0	0	0	0	0	0
Yearlings.....	0	6	140	154	0	0	0	0	0	0
Replacement.....	5,971	8,475	6,020	11,592	91	227	401	262	52	176
Bulls.....	608	715	583	662	33	38	33	27	22	14
Cows.....	2,929	3,977	2,447	5,661	32	25	77	33	17	7
Heifers.....	1,418	2,388	1,939	2,487	21	162	247	195	5	150
Calves.....	1,016	1,390	1,051	2,782	5	2	43	7	8	5
Yearlings.....	0	5	0	0	0	0	1	0	0	0
All Classes.....	32,912	45,635	72,526	79,175	3,473	4,211	43,086	47,497	228	266

	Maritimes		U.S.A.		Other		Total	
	1997	1998	1997	1998	1997	1998	1997	1998
	head							
Feeders.....	0	0	37,325	40,299	0	0	117,177	126,432
Bulls.....	0	0	160	142	0	0	975	1,429
Cows.....	0	0	496	312	0	0	4,901	5,283
Heifers.....	0	0	7,098	5,427	0	0	30,267	27,432
Steers.....	0	0	29,283	34,231	0	0	74,927	87,081
Calves.....	0	0	218	9	0	0	5,169	4,068
Yearlings.....	0	0	70	178	0	0	938	1,139
Slaughter.....	32	0	614,727	603,246	0	0	674,597	673,165
Bulls.....	0	0	17,669	15,482	0	0	27,405	22,624
Cows.....	32	0	58,704	47,689	0	0	95,297	89,067
Heifers.....	0	0	262,162	259,271	0	0	265,361	263,425
Steers.....	0	0	276,083	280,061	0	0	286,266	297,137
Calves.....	0	0	5	0	0	0	24	9
Yearlings.....	0	0	104	743	0	0	244	903
Replacement.....	27	2	2,924	2,819	1,489	192	16,975	23,745
Bulls.....	4	2	1,655	1,301	110	82	3,048	2,841
Cows.....	2	0	296	461	52	11	5,852	10,175
Heifers.....	21	0	851	917	1,322	92	5,824	6,391
Calves.....	0	0	99	134	5	7	2,227	4,327
Yearlings.....	0	0	23	6	0	0	24	11
All Classes.....	59	2	654,976	646,364	1,489	192	808,749	823,342

(1) Shipments exclude unclassified animals.

Source: Livestock Identification Services Ltd.

Table 61 Registrations and Sales of Registered Horses in Alberta, 1988-1998

	198C	1989	1990	1991	1992	1993	1994	1995r	1996r	1997r	1998p
Registrations by Breed Association (head)											
Arabian (1).....	566	481	450	515	785	470	528	492	600	563	522
Appaloosa.....	352	366	393	330	272	350	414	462	430	442	402
Morgan.....	148	145	187	101	177	220	191	249	235	231	264
Paint.....	-	-	-	286	412	455	693	1,015	1,298	1,649	1,805
Quarter Horse.....	3,016	3,119	2,937	2,365	3,133	3,180	3,441	3,814	3,812	4,046	4,770
Standardbred (2).....	404	362	355	335	319	325	362	340	348	332	314
Thoroughbred (2).....	661	608	586	561	563	574	570	548	524	498	480
Draft.....	329	271	285	342	339	342	236	366	326	309	327
Other (3).....	189	206	189	272	286	1,041	747	652	574	520	664
Total.....	5,654	5,552	5,361	5,107	6,286	6,957	7,182	7,938	8,147	8,590	9,548
Ownership Transfers (head)											
Arabian (1).....	751	685	671	572	615	512	534	549	574	566	538
Appaloosa.....	252	293	299	229	344	310	475	384	387	358	323
Morgan.....	234	203	234	191	242	242	295	285	277	243	232
Paint.....	-	-	-	-	-	-	-	-	-	-	-
Quarter Horse.....	4,686	4,105	3,963	3,642	4,370	4,391	4,473	4,894	4,907	4,618	5,492
Standardbred.....	-	-	-	-	-	-	-	-	-	-	-
Thoroughbred.....	-	-	-	-	-	-	-	-	-	-	-
Draft.....	316	399	347	356	369	370	305	389	358	270	391
Other (3).....	314	210	166	189	312	814	668	725	411	628	788
Total (4).....	6,553	5,895	5,680	5,179	6,252	6,639	6,750	7,226	6,914	6,683	7,764

(1) Includes part breed registrations due to computer system changes and changes to Canadian Registration requirements in 1991 and 1992 which inflated these figures. Partbreed transfers are not recorded (except when made at time of registration).

(2) Standardbred and Thoroughbred registrations were incomplete in 1998 due to recording system.

(3) Other registrations and transfers include the establishment of the Miniature Horse Registry in 1993.

(4) Transfer totals do not include Standardbreds, Thoroughbreds and Paints.

Source: Horse Industry Section, Animal Industry Division of Alberta Agriculture, Food and Rural Development; and Breed Registries

Table 62 Alberta Horse Meat Exports by Destination, 1988-1998

	1988	1989	1990	1991	1992	1993	1994r	1995r	1996r	1997r	1998r
Quantity (tonnes)											
Europe.....	8,195	7,240	8,635	5,869	4,839	5,266	5,413	5,720	6,055	7,246	7,323
Japan.....	3,190	4,312	4,722	3,654	3,502	3,252	2,422	3,076	2,477	5,110	5,081
United States.....	76	35	24	17	0	0	0	38	54	23	0
Other Countries.....	571	493	636	78	86	18	0	25	14	254	106
Total.....	12,032	12,080	14,017	9,618	8,427	8,536	7,835	8,859	8,600	12,633	12,510
Value (\$'000)											
Europe.....	31,498	24,942	23,016	16,062	16,894	26,030	28,787	32,854	37,134	41,492	42,744
Japan.....	9,335	9,921	9,680	8,367	8,374	10,041	8,916	11,150	10,535	17,466	19,452
United States.....	87	102	17	22	0	0	0	14	11	23	0
Other Countries.....	544	487	535	74	132	96	0	277	97	407	305
Total.....	41,464	35,452	33,248	24,525	25,400	36,167	37,703	44,295	47,777	59,388	62,501

Source: Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 63 Brand Inspection Record of Live Alberta Horse Shipments, 1997 and 1998

	Alberta		Other Provinces		Exports		Total	
	1997	1998	1997	1998	1997	1998	1997	1998
	head							
Total Feeders.....	1,343	1,396	135	312	11	148	1,489	1,856
Fillies.....	69	79	3	26	0	38	72	143
Geldings.....	68	30	51	13	11	24	130	67
Mares.....	162	8	63	210	0	24	225	242
Stallions.....	18	287	9	1	0	44	27	332
Colts.....	1,026	992	9	62	0	18	1,035	1,072
Mules.....	0	0	0	0	0	0	0	0
Total Slaughter.....	16,016	17,347	835	980	1,352	910	18,203	19,237
Fillies.....	554	676	103	94	4	3	661	773
Geldings.....	1,854	2,428	239	254	398	320	2,491	3,002
Mares.....	4,184	5,012	341	428	788	539	5,313	5,979
Stallions.....	677	1,388	96	131	159	3	932	1,522
Colts.....	8,725	7,816	56	73	3	0	8,784	7,889
Mules.....	22	27	0	0	0	45	22	72
Total Replacement.....	0	0	86	154	47	106	133	260
Fillies.....	0	0	7	12	6	18	13	30
Mares.....	0	0	30	19	11	47	41	66
Stallions.....	0	0	21	13	7	22	28	35
Colts.....	0	0	28	110	23	19	51	129
Total Unclassified.....	28	215	1,234	1,248	1,473	2,125	2,735	3,588
Fillies.....	0	90	40	56	36	46	76	192
Geldings.....	5	13	768	719	893	1,109	1,666	1,841
Mares.....	12	11	316	358	325	420	653	789
Stallions.....	1	76	53	34	150	468	204	578
Colts.....	10	23	50	80	69	81	129	184
Mules.....	0	2	7	1	0	1	7	4
Total All Classes.....	17,387	18,958	2,290	2,694	2,883	3,289	22,560	24,941

Source: Livestock Identification Services Ltd.

Table 64 Output and Value of Poultry Meats, Alberta, 1987-1998

	Total Production		Consumed by Producers		Sold	
	tonnes	\$'000	tonnes	\$'000	tonnes	\$'000
Stewing Hen and Chicken						
1987.....	50,284	75,709	827	1,360	49,457	74,349
1988.....	48,839	71,564	860	1,358	47,979	70,206
1989.....	47,986	79,499	909	1,628	47,077	77,871
1990.....	51,065	84,154	909	1,623	50,156	82,531
1991.....	50,309	80,398	628	1,077	49,681	79,321
1992.....	51,030	79,199	554	905	50,476	78,294
1993.....	54,766	85,509	554	925	54,213	84,584
1994.....	60,770	92,925	579	821	60,191	92,104
1995.....	63,495	91,713	562	792	62,933	90,921
1996.....	63,710	102,932	565	905	63,145	102,027
1997.....	67,518	107,257	591	938	66,927	106,319
1998.....	74,655	115,324	606	934	74,048	114,390
Turkey						
1987.....	1,000	17,872	52	94	9,955	17,778
1988.....	10,003	17,665	53	94	9,950	17,571
1989.....	9,850	18,577	56	105	9,794	18,472
1990.....	11,714	21,772	56	104	11,658	21,668
1991.....	11,795	20,963	46	83	11,749	20,880
1992.....	11,031	18,489	43	73	10,988	18,416
1993.....	10,797	18,282	41	69	10,757	18,213
1994.....	11,582	19,840	41	70	11,541	19,769
1995.....	12,435	20,771	38	64	12,397	20,707
1996.....	11,686	21,977	37	69	11,649	21,908
1997.....	11,754	21,803	38	71	11,716	21,732
1998.....	11,313	20,785	38	70	11,275	20,715
Total Stewing Hen, Chicken and Turkey						
1987.....	51,284	93,581	879	1,454	59,412	92,127
1988.....	58,842	89,229	913	1,452	57,929	87,777
1989.....	57,836	98,076	965	1,733	56,871	96,343
1990.....	62,779	105,926	965	1,727	61,814	104,199
1991.....	62,104	101,361	674	1,160	61,430	100,201
1992.....	62,061	97,688	597	978	61,464	96,710
1993.....	65,563	103,791	595	994	64,970	102,797
1994.....	72,352	112,765	620	891	71,732	111,873
1995.....	75,930	112,484	600	856	75,330	111,628
1996.....	75,396	124,909	602	974	74,794	123,935
1997.....	79,272	129,060	629	1,009	78,643	128,051
1998.....	85,968	136,109	644	1,004	85,323	135,105

Source: Statistics Canada Cat. No. 23-202 XIB, "Production of Poultry and Eggs" and Cat. No. 23-202-XPB, "Production of Eggs"

Table 65 Production, Disposition and Value of Eggs, Alberta, 1987-1998

	Production		Disposition						
	Average No. of Layers	Dozens	Sold (Includes Exports)				Leakers & Rejects	Producer Use for Consump.	Value
			For		For				
			Consumption	Value	Hatching	Value			
			'000	'000	'000 doz.	\$'000			
1987.....	1,996	40,985	34,930	28,240	4,799	13,391	704	552	502
1988.....	1,954	40,841	34,943	31,532	4,653	12,983	705	540	517
1989.....	1,906	38,961	32,993	31,774	4,503	12,563	667	528	544
1990.....	1,861	36,462	30,689	28,165	4,636	12,935	621	516	532
1991.....	1,881	37,662	31,781	29,091	4,734	13,207	643	504	519
1992.....	1,999	40,219	34,020	30,539	4,923	14,336	784	492	488
1993.....	2,000	40,715	34,416	31,811	5,049	14,847	794	456	476
1994.....	1,976	41,263	34,567	33,359	5,447	16,101	805	444	460
1995.....	1,989	41,782	34,964	35,725	5,546	16,392	816	456	491
1996.....	1,953	40,728	33,906	37,764	5,561	16,437	793	468	508
1997.....	1,952	40,369	33,570	35,467	5,546	16,392	785	468	494
1998 Jan.....	1,933	3,403	2,827	2,956	471	1,392	66	39	40
Feb.....	1,934	3,055	2,531	2,643	425	1,256	60	39	40
Mar.....	1,970	3,433	2,856	2,988	471	1,392	67	39	42
Apr.....	1,998	3,382	2,821	2,984	456	1,348	66	39	42
May.....	2,001	3,516	2,937	3,092	471	1,392	69	39	42
Jun.....	2,000	3,390	2,829	2,964	456	1,348	66	39	42
Jul.....	2,014	3,509	2,931	3,013	471	1,392	68	39	41
Aug.....	2,043	3,538	2,959	3,043	471	1,392	69	39	41
Sep.....	2,018	3,377	2,816	2,952	456	1,348	66	39	50
Oct.....	1,983	3,444	2,867	2,928	471	1,392	67	39	39
Nov.....	1,978	3,342	2,782	2,832	456	1,348	65	39	39
Dec.....	1,970	3,455	2,878	2,925	471	1,392	67	39	39
Annual	1,987	40,844	34,034	35,322	5,546	16,392	796	468	497

Source: Statistics Canada Cat. No. 23-202 XIB, "Production of Poultry and Eggs" and Cat. No. 23-202-XPB, "Production of Eggs"

Table 66 Chickens Eviscerated in Registered Stations, Alberta, 1987-1998

	Under 1 kg	1 to 2 kg	2 kg and Over	Total
	tonnes			
1987...	2,266	37,001	2,769	42,036
1988...	2,311	36,918	2,896	42,125
1989...	2,044	36,998	2,244	41,286
1990...	2,083	39,788	2,927	44,798
1991...	1,699	40,703	2,415	44,817
1992...	1,484	43,863	2,356	47,703
1993...	1,279	48,886	2,431	52,596
1994...	1,329	56,141	2,420	59,890
1995...	784	59,938	2,126	62,848
1996...	613	59,597	1,869	62,079
1997...	750	65,674	1,824	68,247
1998p...	327	69,501	1,526	71,354

Source: "Poultry Market Review", Agriculture and Agri-Food Canada

Table 67 Alberta Game Farming Industry, 1991-1998

	Licensed Game Farms	Farms With Elk	Elk on Farms	Farms With Deer	Whitetail Deer on Farms	Farms With Mule Deer
	Number					
1991.....	136	-	4,054	-	362	198
1992.....	154	121	4,377	58	629	302
1993.....	170	136	5,918	61	973	374
1994.....	196	152	7,261	72	1,451	415
1995.....	249	185	9,310	81	2,036	430
1996.....	310	227	11,939	91	2,896	336
1997.....	400	273	14,950	136	3,544	300
1998p.....	470	336	19,308	150	4,797	292

Source: Animal Industry Division of Alberta Agriculture, Food and Rural Development

Table 68 Production and Value of Aquaculture (1), Canada and Provinces, 1991-1998

	Canada	(2) Alberta	Sask.	British Columbia	Ontario	Quebec	(3) Other Provinces
	Total Production (tonnes)						
1991r.....	49,594	34	110	29,126	2,380	1,590	16,354
1992r.....	46,931	96	160	24,689	2,820	1,512	17,654
1993r.....	53,927	127	160	30,728	3,020	1,458	18,434
1994r.....	57,147	45	260	29,291	3,200	1,533	22,818
1995r.....	66,269	109	322	33,533	3,300	999	28,006
1996r.....	72,514	110	775	34,431	4,240	995	31,963
1997r.....	81,999	3	721	41,008	3,725	1,063	35,479
1998p.....	92,032	16	875	48,331	4,500	1,085	37,225
	Total Value (\$'000)						
1991r.....	233,559	187	240	115,472	10,900	9,746	97,014
1992r.....	244,014	420	540	120,441	14,100	7,388	101,125
1993r.....	277,604	560	540	143,659	15,280	7,299	110,266
1994r.....	301,992	275	1,160	160,806	16,192	9,083	114,476
1995r.....	341,957	660	1,420	180,206	13,250	3,745	142,676
1996r.....	355,454	660	3,420	167,266	19,600	4,300	160,208
1997r.....	385,748	12	3,175	183,777	15,900	4,630	178,254
1998p.....	433,519	125	3,859	237,949	19,208	4,725	167,653

(1) Figures for aquaculture (finfish and shellfish) include the amount and value produced on sites and exclude hatcheries or value added products.

(2) The majority of fish produced on farm operations in Alberta are rainbow trout, but other species include brook trout, brown trout, arctic char, tilapia, koi and goldfish (as feeder fish for pet stores). On April 1, 1997, the department of Alberta Agriculture, Food and Rural Development assumed full responsibility for fish farm licencing in the province. Licencing procedures are governed by the regulations and Fisheries Act under Alberta Environmental Protection. Regulations govern the species that can be raised and the operating conditions attached to the licence.

(3) Includes Manitoba, Newfoundland, Prince Edward Island, Nova Scotia and New Brunswick.

Source: Statistics Canada Cat. No. 23-603-UPE, "Livestock Statistics"

Table 69 Alberta Dairy Industry, 1994-1998

	1994-95	1995-96	1996-97	1997-98	1998-99
Dairy Year From August 1 to July 31					
Number of Milk Producers.....	1,162	1,105	1,058	977	952
Number of Cream Producers.....	65	60	51	38	17
Milk Production ('000 litres).....	571,731	586,574	601,399	608,271	620,977
Cream Production (kg).....	53,874	40,218	33,569	31,699	20,553
Average Daily Shipment Per Milk Producer (litres).....	1,348	1,454	1,557	1,706	1,787
	1994	1995	1996	1997	1998p
Calendar Year (\$'000)					
Farm Cash Receipts					
Dairy Products.....	257,843	265,643	290,753	316,826	311,460
Dairy Products - Manufacturing Activity					
Value of Manufacturing Shipments...	462,778	602,491	696,203	671,115	652,609
Value Added.....	149,541	188,678	193,124	190,721	-
International Exports of Dairy Products					
Total.....	9,318	18,160	23,163	18,019	6,743
To Mexico (1).....	5,927	18,154	21,412	13,184	6,406
To Other Countries.....	3,391	6	1,751	4,835	337

(1) The only commodity exported to Mexico is milk powder.

Source: Alberta Dairy Board; Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

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Table 70 Major Crop Production, Canada and Provinces, 1990-1999

	Canada	Alberta	Sask.	Manitoba	British Columbia	Ontario	Quebec	Atlantic Provinces
All Wheat ('000 tonnes)								
1990.....	32,098.3	6,994.8	17,485.9	5,884.4	136.0	1,418.4	152.0	26.8
1991.....	31,945.6	7,772.7	18,501.2	4,806.3	108.9	623.1	107.8	25.6
1992.....	29,877.2	6,327.6	16,192.1	5,807.7	58.7	1,330.8	120.5	32.6
1993.....	27,225.9	7,620.2	15,031.2	3,637.3	111.3	680.3	113.9	31.7
1994.....	22,919.5	5,592.7	12,110.9	3,696.6	117.1	1,260.1	105.1	37.0
1995.....	24,989.4	7,266.5	12,663.5	3,404.7	140.7	1,367.6	99.4	47.0
1996.....	29,801.4	7,789.1	16,547.0	4,376.5	78.9	862.7	92.5	54.7
1997.....	24,280.3	6,839.3	13,070.3	3,350.2	62.1	830.0	81.6	46.8
1998.....	24,076.3	6,752.3	12,600.7	3,219.7	76.5	1,311.8	64.5	50.8
1999p.....	26,850.2	8,137.6	13,839.5	3,158.3	97.5	1,507.7	62.1	47.5
Oats ('000 tonnes)								
1990.....	2,692.2	1,110.4	694.0	339.3	53.2	211.3	238.0	46.0
1991.....	1,793.9	786.5	385.6	222.1	52.8	137.3	178.0	31.6
1992.....	2,828.5	1,036.4	663.2	555.2	49.4	177.4	276.0	70.9
1993.....	3,556.8	1,465.1	1,079.5	493.5	110.3	141.1	225.0	42.3
1994.....	3,640.5	1,187.5	1,388.0	663.2	77.1	100.2	183.0	41.5
1995.....	2,872.8	771.1	1,110.4	624.6	56.3	91.0	175.0	44.4
1996.....	4,361.1	1,079.5	1,881.5	1,056.4	31.6	78.7	185.0	48.4
1997.....	3,484.7	979.3	1,403.4	735.6	33.5	95.6	195.0	42.3
1998.....	3,957.5	771.1	1,758.1	1,030.2	66.3	94.1	197.0	40.7
1999p.....	3,641.3	863.6	1,534.5	854.4	64.8	95.6	190.0	38.4
Barley ('000 tonnes)								
1990.....	13,441.4	6,248.7	3,897.3	1,959.5	124.1	581.3	490.0	140.5
1991.....	11,617.3	5,878.6	3,069.9	1,426.1	100.2	548.7	454.0	139.8
1992.....	11,031.5	4,855.3	3,157.0	1,567.6	53.3	631.4	560.0	206.9
1993.....	12,972.1	6,314.0	4,245.6	1,241.0	84.9	500.8	435.0	150.8
1994.....	11,692.0	5,464.9	3,919.0	1,328.1	55.5	446.3	340.0	138.2
1995.....	13,032.5	6,335.8	4,354.5	1,328.1	93.6	418.0	350.0	152.5
1996.....	15,562.0	7,076.0	5,356.0	2,111.9	79.5	391.9	355.0	191.7
1997.....	13,527.3	6,270.5	4,430.7	1,685.2	84.9	435.4	415.0	205.6
1998.....	12,708.7	5,660.8	4,310.9	1,630.8	103.4	381.0	425.0	196.8
1999p.....	13,196.0	5,987.4	4,942.3	1,214.9	89.3	394.1	415.0	153.0
Flaxseed ('000 tonnes)								
1990.....	889.0	76.2	431.8	381.0	0.0	0.0	0.0	0.0
1991.....	635.0	38.1	266.7	330.2	0.0	0.0	0.0	0.0
1992.....	336.6	19.1	109.2	208.3	0.0	0.0	0.0	0.0
1993.....	627.4	40.6	342.9	243.9	0.0	0.0	0.0	0.0
1994.....	967.7	40.6	546.1	381.0	0.0	0.0	0.0	0.0
1995.....	1,104.9	53.3	647.7	403.9	0.0	0.0	0.0	0.0
1996.....	851.0	20.3	472.5	358.2	0.0	0.0	0.0	0.0
1997.....	895.4	31.8	508.0	355.6	0.0	0.0	0.0	0.0
1998.....	1,080.9	39.4	680.8	360.7	0.0	0.0	0.0	0.0
1999p.....	1,049.1	43.2	734.1	271.8	0.0	0.0	0.0	0.0
Canola ('000 tonnes)								
1990.....	3,265.9	1,281.4	1,451.5	460.4	29.5	43.1	0.0	0.0
1991.....	4,224.2	1,621.6	1,723.7	796.1	37.4	45.4	0.0	0.0
1992.....	3,872.4	1,349.4	1,474.2	986.6	32.7	29.5	0.0	0.0
1993.....	5,524.9	2,154.6	2,381.4	907.2	43.1	38.6	0.0	0.0
1994.....	7,232.5	2,472.1	3,175.1	1,485.5	54.4	45.4	0.0	0.0
1995.....	6,434.2	2,449.4	2,630.8	1,227.0	61.2	65.8	0.0	0.0
1996.....	5,062.3	1,701.0	2,222.6	1,068.2	19.1	45.4	6.0	0.0
1997.....	6,393.1	2,109.2	2,698.9	1,496.9	22.7	54.4	11.0	0.0
1998.....	7,643.3	2,472.1	3,231.8	1,803.0	61.2	56.7	18.5	0.0
1999p.....	8,798.3	2,971.0	3,975.7	1,707.8	62.4	54.4	27.0	0.0

Source: Agriculture Division, Statistics Canada

Table 71 Acreage and Production of Principal Field Crops, Prairie Provinces and Canada, 1999

	Alberta	Sask.	Manitoba	Canada	Alberta	Sask.	Manitoba
	Seeded Acres ('000)				% of Canada		
All Wheat.....	7,160	14,475	3,175	25,788	27.8	56.1	12.3
Winter Wheat.....	50	90	80	937	5.3	9.6	8.5
Spring Wheat.....	6,360	10,785	3,055	20,461	31.1	52.7	14.9
Durum Wheat.....	750	3,600	40	4,390	17.1	82.0	0.9
Oats.....	1,400	2,000	810	4,659	30.0	42.9	17.4
Barley.....	4,750	4,250	1,060	10,895	43.6	39.0	9.7
All Rye.....	100	205	80	462	21.6	44.3	17.3
Fall Rye.....	75	190	80	422	17.8	45.0	19.0
Spring Rye.....	25	15	0	40	62.5	37.5	0.0
Mixed Grains.....	250	60	20	676	37.0	8.9	3.0
Flaxseed.....	80	1,400	520	2,000	4.0	70.0	26.0
Canola.....	4,550	6,600	2,480	13,835	32.9	47.7	17.9
Corn for Grain.....	15	-	110	2,862	0.5	0.0	3.8
Peas, Dry.....	470	1,520	105	2,104	22.3	72.2	5.0
Lentils.....	25	1,210	16	1,251	2.0	96.7	1.3
Mustard Seed.....	100	585	7	692	14.5	84.5	1.0
Sunflower Seed.....	5	65	140	210	2.4	31.0	66.7
Fodder Corn.....	15	-	25	466	3.2	0.0	5.4
Tame Hay.....	5,500	3,400	2,025	16,721	32.9	20.3	12.1
	Harvested Acres ('000)				% of Canada		
All Wheat.....	7,110	14,380	3,145	25,610	27.8	56.2	12.3
Winter Wheat.....	50	85	80	932	5.4	9.1	8.6
Spring Wheat.....	6,310	10,735	3,025	20,327	31.0	52.8	14.9
Durum Wheat.....	750	3,560	40	4,351	17.2	81.8	0.9
Oats.....	800	1,550	730	3,456	23.2	44.9	21.1
Barley.....	4,200	4,050	1,000	10,055	41.8	40.3	9.9
All Rye.....	75	195	80	417	18.0	46.8	19.2
Fall Rye.....	60	185	80	392	15.3	47.2	20.4
Spring Rye.....	15	10	0	25	60.0	40.0	0.0
Mixed Grains.....	40	10	10	379	10.6	2.6	2.6
Flaxseed.....	75	1,385	500	1,960	3.8	70.7	25.5
Canola.....	4,520	6,570	2,460	13,750	32.9	47.8	17.9
Corn for Grain.....	10	-	100	2,819	0.4	0.0	3.5
Peas, Dry.....	455	1,505	95	2,064	22.0	72.9	4.6
Lentils.....	22	1,190	15	1,227	1.8	97.0	1.2
Mustard Seed.....	90	580	5	675	13.3	85.9	0.7
Sunflower Seed.....	5	65	125	195	2.6	33.3	64.1
Fodder Corn.....	15	-	20	461	3.3	0.0	4.3
Tame Hay.....	4,850	3,160	1,930	14,944	32.5	21.1	12.9
	Production ('000 tonnes)				% of Canada		
All Wheat.....	8,137.6	13,839.5	3,158.3	26,850.2	30.3	51.5	11.8
Winter Wheat.....	69.4	95.3	129.3	1,718.2	4.0	5.5	7.5
Spring Wheat.....	7,251.7	10,336.8	2,993.6	20,872.7	34.7	49.5	14.3
Durum Wheat.....	816.5	3,407.4	35.4	4,259.3	19.2	80.0	0.8
Oats.....	863.6	1,534.5	854.4	3,641.3	23.7	42.1	23.5
Barley.....	5,987.4	4,942.3	1,214.9	13,196.0	45.4	37.5	9.2
All Rye.....	72.4	168.4	76.2	386.6	18.7	43.6	19.7
Fall Rye.....	61.0	150.0	76.2	366.8	16.6	43.6	20.8
Spring Rye.....	11.4	8.4	0.0	19.8	57.6	42.4	0.0
Mixed Grains.....	42.9	10.2	11.2	446.8	9.6	2.3	2.5
Flaxseed.....	43.2	734.1	271.8	1,049.1	4.1	70.0	25.9
Canola.....	2,971.0	3,975.7	1,707.8	8,798.3	33.8	45.2	19.4
Corn for Grain.....	20.3	-	238.8	9,096.3	0.2	0.0	2.6
Peas, Dry.....	530.8	1,623.4	92.0	2,251.9	23.6	72.1	4.1
Lentils.....	12.4	702.6	8.8	723.8	1.7	97.1	1.2
Mustard Seed.....	44.8	259.7	1.9	306.4	14.6	84.8	0.6
Sunflower Seed.....	3.6	35.4	82.9	121.9	3.0	29.0	68.0
Fodder Corn.....	181.4	-	226.8	6,605.2	2.7	0.0	3.4
Tame Hay.....	6,894.6	4,127.7	3,401.9	26,739.2	25.8	15.4	12.7

Source: Agriculture Division, Statistics Canada

Fig. 35 Harvested Acreage of Alberta Wheat, Barley and Canola (Millions of Acres), 1995-1999

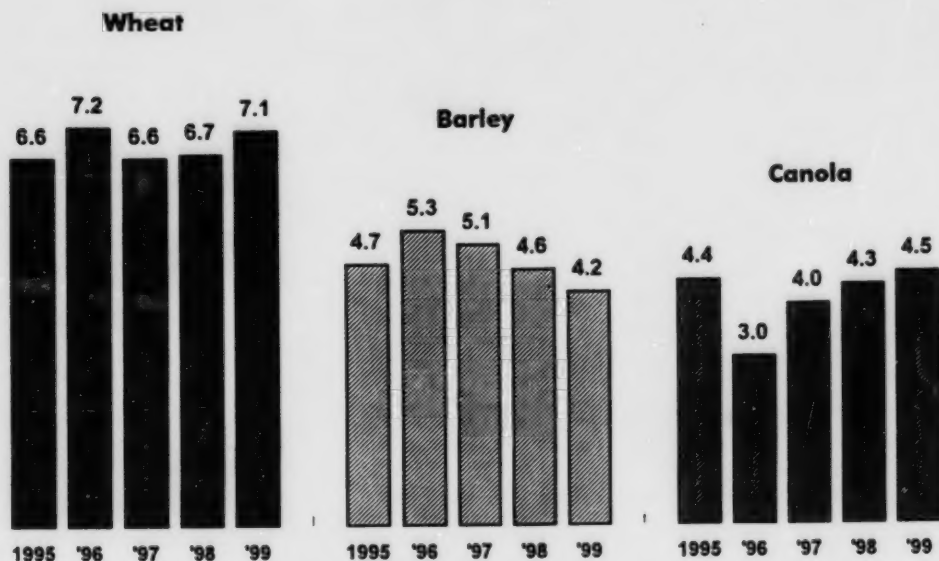


Fig. 36 Price of Wheat, Barley and Canola (Dollars Per Bushel), 1970-71 to 1998-99 Crop Years

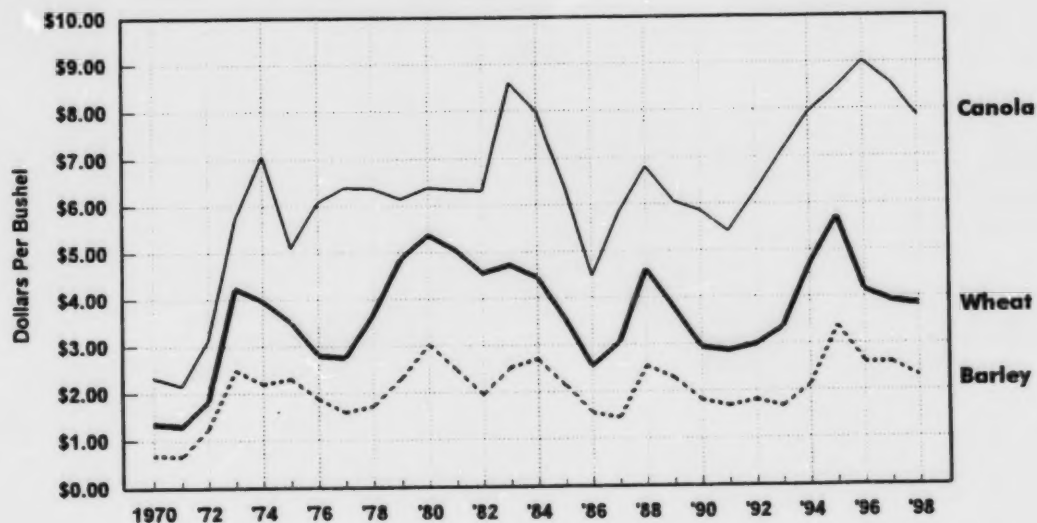


Table 72 Alberta Principal Field Crops - Area, Yield and Production, 1995-1999

	Seeded Acres ('000)					Harvested Acres ('000)				
	1995	1996	1997	1998	1999p	1995	1996	1997	1998	1999p
All Wheat.....	6,730	7,350	6,725	6,810	7,160	6,620	7,190	6,625	6,690	7,110
Winter Wheat.....	80	100	100	70	50	70	90	50	60	50
Spring Wheat.....	5,900	6,450	5,800	5,690	6,360	5,800	6,300	5,750	5,580	6,310
Durum Wheat.....	750	800	825	1,050	750	750	800	825	1,050	750
Oats.....	1,200	1,400	1,400	1,350	1,400	750	1,050	1,000	800	800
Barley.....	5,150	5,800	5,600	5,200	4,750	4,700	5,300	5,050	4,600	4,200
All Rye.....	115	110	115	145	100	75	80	70	95	75
Fall Rye.....	90	90	90	120	75	65	70	60	80	60
Spring Rye.....	25	20	25	25	25	10	10	10	15	15
Flaxseed.....	90	35	60	70	80	90	35	60	70	75
Canola.....	4,450	3,150	4,000	4,350	4,550	4,400	3,000	3,950	4,300	4,520
Mixed Grains.....	250	225	260	200	250	100	85	100	50	40
Corn for Grain.....	5	3	4	5	15	5	3	4	5	10
Dry Peas.....	465	290	385	510	470	445	280	385	500	455
Lentils.....	40	20	25	20	25	38	20	25	15	22
Mustard Seed.....	100	90	145	110	100	100	85	145	110	90
Sunflower Seed.....	5	2	5	5	5	5	2	5	5	5
Fodder Corn.....	10	13	15	15	15	10	10	15	15	15
Sugar Beets.....	35	36	35	45	45	35	35	35	45	43
Tame Hay.....	5,350	4,990	4,900	5,100	5,500	5,350	4,990	4,900	4,625	4,850
Total.....	23,995	23,513	23,674	23,935	24,465	22,723	22,165	22,369	21,925	22,310

	Yield Per Acre					Production ('000 tonnes)				
	1995	1996	1997	1998	1999p	1995	1996	1997	1998	1999p
All Wheat (bu).....	40.3	39.8	37.9	37.1	42.1	7,266.5	7,789.1	6,839.3	6,752.3	8,137.6
Winter Wheat (bu).....	42.9	35.6	36.0	40.0	51.0	81.6	87.1	49.0	65.3	69.4
Spring Wheat (bu).....	40.2	40.8	38.7	36.5	42.2	6,341.2	6,989.0	6,055.5	5,543.9	7,251.7
Durum Wheat (bu).....	41.3	32.8	32.7	40.0	40.0	843.7	713.0	734.8	1,143.1	816.5
Oats (bu).....	66.7	66.7	63.5	62.5	70.0	771.1	1,079.5	979.3	771.1	863.6
Barley (bu).....	61.9	61.3	57.5	56.5	65.5	6,335.8	7,076.0	6,270.5	5,660.8	5,987.4
All Rye (bu).....	34.7	31.5	37.1	32.1	38.0	66.1	64.1	66.1	77.5	72.4
Fall Rye (bu).....	36.9	32.1	39.2	33.8	40.0	61.0	57.2	59.7	68.6	61.0
Spring Rye (bu).....	20.0	27.0	25.0	23.3	30.0	5.1	6.9	6.4	8.9	11.4
Flaxseed (bu).....	23.3	22.9	20.8	22.1	22.7	53.3	20.3	31.8	39.4	43.2
Canola (bu).....	24.5	25.0	23.5	25.3	29.0	2,449.4	1,701.0	2,109.2	2,472.1	2,971.0
Mixed Grains (bu).....	59.0	60.0	53.0	54.0	52.5	120.4	104.1	108.2	55.1	42.9
Corn for Grain (bu).....	100.0	96.2	100.0	90.0	80.0	12.7	6.4	10.2	11.4	20.3
Peas, Dry (bu).....	34.0	40.4	40.3	35.9	42.9	412.3	307.5	421.8	488.0	530.8
Lentils (bu).....	20.8	14.1	12.2	19.7	20.8	21.5	7.7	8.3	8.0	12.4
Mustard Seed (bu).....	22.5	15.1	15.4	15.9	22.0	51.1	29.0	50.6	39.7	44.8
Sunflower Seed (lbs)...	1,900.0	1,675.0	1,400.0	1,900.0	1600.0	4.3	1.5	3.2	4.3	3.6
Fodder Corn (tons).....	16.0	19.5	12.0	20.0	13.3	145.1	176.9	163.3	272.2	181.4
Sugar Beets (tons).....	20.0	22.3	20.0	21.6	19.1	635.0	707.6	635.0	880.0	743.9
Tame Hay (tons).....	1.5	1.5	1.0	1.2	1.6	7,257.5	6,803.9	4,490.6	5,216.3	6,894.6
Total.....	...	...	...	...	...	25,602.1	25,874.7	22,187.4	22,748.2	26,549.9

Source: Agriculture Division, Statistics Canada

Fig. 37 Production of Alberta Wheat, Barley and Canola, 1990-1999

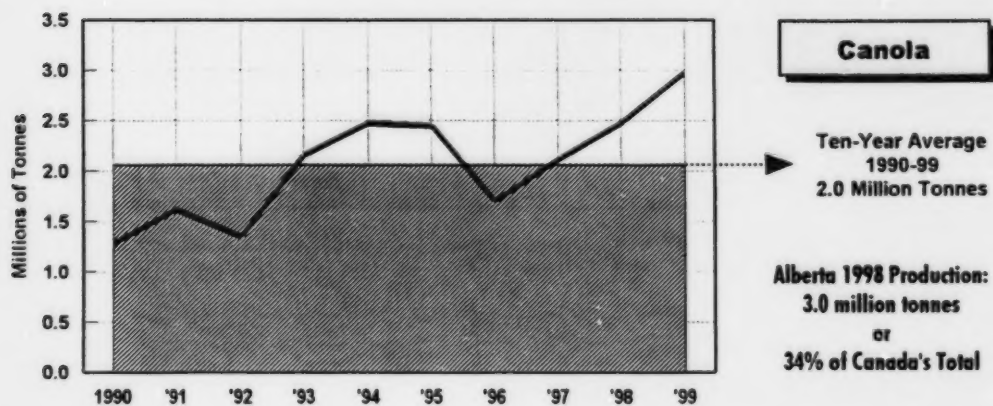
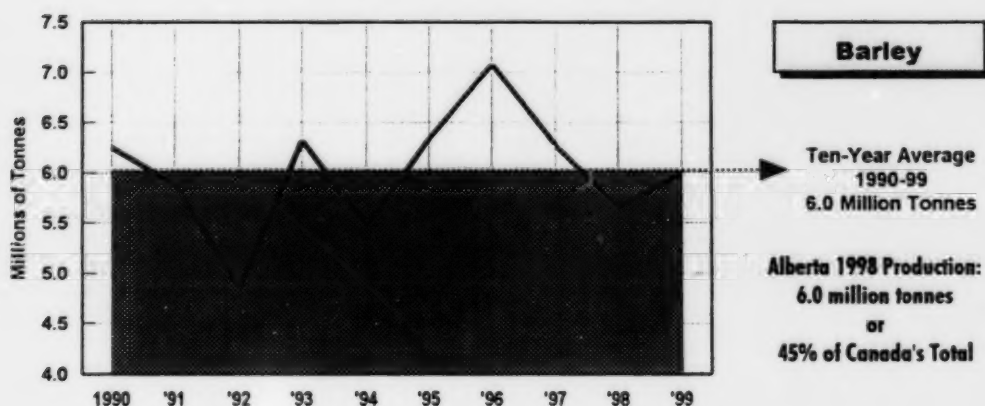
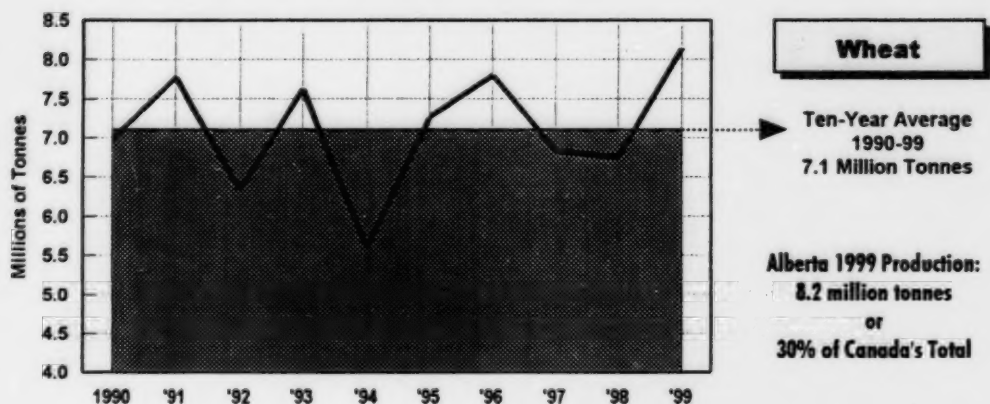


Table 73 Alberta Major Crops - Acreage, 1950-1999

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye	Total	% Chg.
Seeded Acres ('000)								
1950.....	7,500	2,617	2,534	48	-	274	12,973	
1951.....	6,424	2,854	3,041	135	-	284	12,738	-1.8
1952.....	6,404	2,587	3,336	167	-	339	12,833	0.7
1953.....	6,417	2,357	3,489	164	-	413	12,840	0.1
1954.....	5,968	2,354	3,053	215	-	144	11,734	-8.6
1955.....	5,789	2,649	3,702	248	8	119	12,515	6.7
1956.....	5,296	2,430	3,606	511	26	84	11,952	-4.5
1957.....	4,881	2,100	3,714	572	70	114	11,451	-4.2
1958.....	4,800	2,300	3,720	556	70	112	11,558	0.9
1959.....	5,500	2,330	3,470	580	37	121	12,038	4.2
1960.....	5,300	2,320	3,300	565	180	142	11,807	-1.9
1961.....	5,633	2,330	2,867	362	307	174	11,673	-1.1
1962.....	5,807	2,646	2,839	340	172	158	11,962	2.5
1963.....	5,933	2,424	3,408	303	223	200	12,491	4.4
1964.....	6,495	1,950	3,320	370	404	182	12,721	1.8
1965.....	6,050	2,200	3,390	355	735	200	12,930	1.6
1966.....	6,506	2,082	3,880	347	624	172	13,611	5.3
1967.....	6,380	1,960	4,280	145	875	160	13,800	1.4
1968.....	6,460	1,960	4,650	285	450	114	13,919	0.9
1969.....	5,300	1,900	4,900	450	816	180	13,546	-2.7
1970.....	2,600	2,600	4,500	650	1,450	225	12,025	-11.2
1971.....	3,443	2,443	5,689	271	1,988	250	14,084	17.1
1972.....	4,300	2,400	5,200	170	1,300	220	13,590	-3.5
1973.....	4,700	2,500	5,300	200	1,300	240	14,240	4.8
1974.....	4,200	2,300	5,300	200	1,150	350	13,500	-5.2
1975.....	4,500	2,100	5,500	200	1,700	300	14,300	5.9
1976.....	5,600	2,300	5,700	75	750	194	14,609	2.2
1977.....	4,800	2,000	5,700	125	1,550	200	14,375	-1.6
1978.....	5,100	1,800	5,300	100	2,950	250	15,500	7.8
1979.....	5,200	1,600	4,700	250	3,500	250	15,500	0.0
1980.....	6,000	1,800	5,650	170	2,200	250	16,070	3.7
1981.....	6,700	1,800	6,550	100	1,450	300	16,900	5.2
1982.....	6,800	1,800	6,450	160	1,900	290	17,400	3.0
1983.....	7,700	1,600	5,500	60	2,500	255	17,615	1.2
1984.....	7,300	1,800	5,750	80	3,000	195	18,125	2.9
1985.....	7,600	1,850	6,150	80	2,800	200	18,680	3.1
1986.....	7,620	1,760	5,900	85	2,800	225	18,390	-1.6
1987.....	7,280	1,650	5,900	55	2,900	260	18,045	-1.9
1988.....	7,010	1,850	5,000	35	3,600	320	17,815	-1.3
1989.....	7,770	1,900	5,450	85	2,700	340	18,245	2.4
1990.....	7,770	1,600	5,450	135	2,450	290	17,695	-3.0
1991.....	7,790	1,285	5,404	71	2,982	175	17,707	0.1
1992.....	8,055	1,700	4,800	45	2,850	175	17,625	-0.5
1993.....	7,400	1,600	5,100	60	3,650	125	17,935	1.8
1994.....	6,190	1,500	4,900	70	5,000	135	17,795	-0.8
1995.....	6,730	1,200	5,150	90	4,450	115	17,735	-0.3
1996.....	7,350	1,400	5,800	35	3,150	110	17,845	0.6
1997.....	6,725	1,400	5,600	60	4,000	115	17,900	0.3
1998.....	6,810	1,350	5,200	70	4,350	145	17,925	0.1
1999p....	7,160	1,400	4,750	80	4,550	125	18,065	0.8

Source: Agriculture Division, Statistics Canada

Table 74 Alberta Major Crops - Yield, 1950-1999

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
	bushels/acre					
1950.....	15.6	29.4	22.1	8.3	-	11.9
1951.....	23.7	47.0	34.5	11.1	-	18.7
1952.....	26.9	49.9	35.4	13.2	-	20.4
1953.....	25.7	47.5	31.0	12.2	-	21.3
1954.....	17.9	31.4	22.9	10.0	-	18.1
1955.....	23.3	39.6	27.0	12.1	11.2	19.3
1956.....	26.5	48.7	33.6	13.9	18.0	15.0
1957.....	19.1	34.4	25.8	8.6	14.8	16.7
1958.....	20.4	34.5	27.8	11.7	13.0	17.0
1959.....	20.9	37.9	30.5	11.4	15.9	17.4
1960.....	19.8	40.3	28.7	9.2	14.7	16.9
1961.....	15.8	36.9	26.9	11.0	17.1	13.2
1962.....	19.3	46.5	31.3	10.0	15.5	15.2
1963.....	25.1	51.2	34.9	12.2	16.0	15.9
1964.....	22.3	40.5	32.2	11.6	16.0	19.2
1965.....	25.3	47.3	33.9	13.8	12.9	23.0
1966.....	29.4	48.5	41.0	15.9	17.6	25.0
1967.....	22.7	40.8	32.2	11.7	13.9	19.4
1968.....	25.7	48.0	38.3	15.1	16.7	21.1
1969.....	26.4	51.6	40.0	14.0	14.3	19.4
1970.....	27.7	57.1	42.0	16.3	17.6	23.1
1971.....	26.4	51.7	39.4	12.9	16.1	24.0
1972.....	27.4	56.8	44.2	15.9	18.5	23.1
1973.....	27.0	55.5	39.0	14.5	16.5	24.2
1974.....	24.3	47.1	36.9	12.5	16.3	23.7
1975.....	30.0	55.3	42.2	16.0	17.9	28.3
1976.....	32.5	58.9	45.4	16.0	19.7	28.3
1977.....	24.8	58.1	45.9	16.0	22.9	25.0
1978.....	29.8	52.4	45.1	20.0	21.0	35.2
1979.....	28.5	58.4	45.9	17.6	18.1	27.6
1980.....	33.0	63.1	50.7	19.4	22.7	28.8
1981.....	34.1	62.3	49.6	22.0	23.1	42.0
1982.....	32.4	62.9	49.5	20.0	22.6	31.0
1983.....	32.5	59.1	45.9	18.5	18.8	32.5
1984.....	24.6	53.9	41.0	15.0	20.0	27.7
1985.....	23.7	54.5	41.7	13.8	19.6	23.5
1986.....	34.9	72.3	59.5	22.4	25.0	37.3
1987.....	29.3	67.5	54.0	21.8	25.3	27.4
1988.....	27.7	73.8	57.2	22.9	24.2	20.5
1989.....	31.1	61.9	51.1	20.0	23.0	29.3
1990.....	33.1	62.6	56.3	22.2	23.1	25.7
1991.....	37.0	60.0	54.0	21.3	24.0	37.5
1992.....	30.6	56.0	51.3	18.8	21.6	31.1
1993.....	39.6	79.2	64.4	26.7	26.1	40.0
1994.....	33.8	67.0	55.2	22.9	21.8	35.0
1995.....	40.3	66.7	61.9	23.3	24.5	34.7
1996.....	39.8	66.7	61.3	22.9	25.0	31.5
1997.....	37.9	63.5	57.0	20.8	23.5	37.1
1998.....	37.1	62.5	56.5	22.1	25.3	32.1
1999p.....	42.1	70.0	65.5	22.7	29.0	38.0

Source: Agriculture Division, Statistics Canada

Table 75 Alberta Major Crops - Production, 1950-1999

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye	Total	% Chg.
	'000 tonnes							
1950.....	3,184.2	1,187.5	1,219.2	10.2	-	82.6	5,683.6	
1951.....	4,136.7	2,066.6	2,286.1	38.1	-	134.6	8,662.1	52.4
1952.....	4,681.0	1,989.5	2,569.1	55.9	-	175.3	9,470.7	9.3
1953.....	4,491.0	1,727.0	2,351.0	50.8	-	223.3	8,843.1	-6.6
1954.....	2,913.0	1,141.0	1,524.0	54.6	-	66.2	5,698.8	-35.6
1955.....	3,674.0	1,619.0	2,177.0	76.2	2.0	58.0	7,606.2	33.5
1956.....	3,810.0	1,820.0	2,634.0	180.3	10.5	31.9	8,486.7	11.6
1957.....	2,531.0	1,110.0	2,090.0	124.5	23.5	48.1	5,927.1	-30.2
1958.....	2,668.0	1,218.0	2,243.0	165.1	20.6	47.8	6,362.5	7.3
1959.....	3,130.0	1,357.0	2,308.0	167.6	13.2	53.6	7,029.4	10.5
1960.....	2,858.0	1,434.0	2,068.0	132.1	59.9	60.9	6,612.9	-5.9
1961.....	2,422.0	1,326.0	1,676.0	101.6	119.3	58.1	5,703.0	-13.8
1962.....	3,048.0	1,897.0	1,938.0	86.4	60.3	61.2	7,090.9	24.3
1963.....	4,055.0	1,912.0	2,591.0	94.0	80.7	81.2	8,813.9	24.3
1964.....	3,946.0	1,218.0	2,330.0	109.2	146.5	88.9	7,838.6	-11.1
1965.....	4,164.0	1,604.0	2,504.0	124.5	215.5	116.4	8,728.4	11.4
1966.....	5,198.0	1,558.0	3,462.0	139.7	249.5	109.0	10,716.2	22.8
1967.....	3,946.0	1,234.0	3,005.0	43.2	276.7	79.2	8,584.1	-19.9
1968.....	4,518.0	1,450.0	3,875.0	109.2	170.1	60.7	10,183.0	18.6
1969.....	3,810.0	1,511.0	4,267.0	160.0	265.4	89.4	10,102.8	-0.8
1970.....	1,959.0	1,804.0	4,115.0	269.3	578.3	132.2	8,857.8	-12.3
1971.....	2,477.0	1,558.0	4,877.0	88.9	725.7	152.2	9,878.8	11.5
1972.....	3,211.0	1,604.0	5,008.0	68.6	544.3	128.7	10,564.6	6.9
1973.....	3,456.0	1,712.0	4,289.0	73.7	487.6	147.2	10,165.5	-3.8
1974.....	2,776.0	1,234.0	4,180.0	63.5	424.1	210.2	8,887.8	-12.6
1975.....	3,674.0	1,450.0	4,964.0	81.3	691.7	216.0	11,077.0	24.6
1976.....	4,953.0	1,635.0	5,487.0	30.5	335.7	131.7	12,572.9	13.5
1977.....	3,239.0	1,388.0	5,443.0	50.8	805.1	126.7	11,052.6	-12.1
1978.....	4,136.0	1,172.0	4,964.0	50.8	1,406.1	223.2	11,952.1	8.1
1979.....	4,028.0	1,126.0	4,550.0	111.8	1,440.2	175.7	11,431.7	-4.4
1980.....	5,389.0	1,265.0	6,075.0	83.8	1,134.0	183.3	14,130.1	23.6
1981.....	6,221.0	1,249.0	6,967.0	55.9	759.8	319.8	15,572.5	10.2
1982.....	5,988.0	1,357.0	6,575.0	81.3	975.2	228.2	15,204.7	-2.4
1983.....	6,804.0	1,049.0	5,095.0	27.9	1,066.0	210.4	14,252.3	-6.3
1984.....	4,883.0	956.0	4,638.0	30.5	1,361.0	137.4	12,005.9	-15.8
1985.....	4,899.0	925.0	4,768.0	27.9	1,247.0	119.4	11,986.3	-0.2
1986.....	7,212.3	1,449.7	7,184.9	48.3	1,587.6	142.2	17,625.0	47.0
1987.....	5,796.6	1,249.2	6,586.2	30.5	1,667.0	121.9	15,451.4	-12.3
1988.....	5,233.4	1,650.2	5,856.8	20.3	1,973.1	99.1	14,832.9	-4.0
1989.....	6,457.4	1,480.5	5,726.2	43.2	1,406.1	152.4	15,265.8	2.9
1990.....	6,994.8	1,110.4	6,248.7	76.2	1,281.4	91.4	15,802.9	3.5
1991.....	7,772.7	786.5	5,878.6	38.1	1,621.6	76.2	16,173.7	2.3
1992.....	6,327.6	1,036.4	4,855.3	19.1	1,349.4	75.0	13,662.8	-15.5
1993.....	7,620.2	1,465.1	6,314.0	40.6	2,154.6	81.3	17,675.8	29.4
1994.....	5,592.7	1,187.5	5,464.9	40.6	2,472.1	88.9	14,844.7	-16.0
1995.....	7,266.5	771.1	6,335.8	53.3	2,449.4	66.1	16,942.2	14.1
1996.....	7,789.1	1,079.5	7,076.0	20.3	1,701.0	64.1	17,730.0	4.6
1997.....	6,839.3	979.3	6,270.5	31.8	2,109.2	66.1	16,296.2	-8.1
1998.....	6,752.3	771.1	5,660.8	39.4	2,472.1	77.5	15,773.2	-3.2
1999p.....	8,137.6	863.6	5,987.4	43.2	2,971.0	72.4	18,075.2	14.6

Source: Agriculture Division, Statistics Canada

Table 76 Alberta Major Crops - Unit Value, 1950-51 to 1998-99

	All Wheat	Oats	Barley	Flaxseed	Canola	All Rye
	\$/bushel					
1950-51.....	1.56	0.69	1.10	3.50	-	1.32
1951-52.....	1.51	0.68	1.08	3.90	-	1.54
1952-53.....	1.53	0.59	1.03	3.10	-	1.33
1953-54.....	1.30	0.55	0.83	2.37	-	0.76
1954-55.....	1.25	0.59	0.87	2.45	-	0.88
1955-56.....	1.32	0.61	0.85	2.75	1.85	0.85
1956-57.....	1.21	0.49	0.76	2.50	1.75	0.91
1957-58.....	1.23	0.50	0.74	2.55	1.50	0.81
1958-59.....	1.31	0.55	0.75	2.63	1.25	0.82
1959-60.....	1.25	0.63	0.73	3.08	2.00	0.84
1960-61.....	1.53	0.60	0.79	2.74	1.63	0.81
1961-62.....	1.72	0.64	1.06	3.32	1.80	1.04
1962-63.....	1.62	0.60	0.94	3.14	2.04	1.04
1963-64.....	1.73	0.53	0.93	2.98	2.52	1.17
1964-65.....	1.55	0.60	0.98	2.94	2.74	1.02
1965-66.....	1.64	0.68	1.02	2.75	2.41	1.06
1966-67.....	1.73	0.67	1.03	2.75	2.47	1.09
1967-68.....	1.61	0.64	0.84	3.08	1.92	1.08
1968-69.....	1.31	0.53	0.81	2.93	1.83	1.04
1969-70.....	1.17	0.53	0.62	2.56	2.29	0.88
1970-71.....	1.35	0.55	0.69	2.24	2.33	0.92
1971-72.....	1.30	0.50	0.67	2.24	2.16	0.82
1972-73.....	1.84	0.84	1.26	4.00	3.16	1.54
1973-74.....	4.24	1.61	2.50	9.17	5.72	2.61
1974-75.....	3.96	1.52	2.20	9.24	7.06	2.23
1975-76.....	3.51	1.42	2.31	6.51	5.09	2.64
1976-77.....	2.80	1.13	1.88	6.78	6.07	2.17
1977-78.....	2.75	0.95	1.60	5.48	6.39	2.30
1978-79.....	3.66	1.02	1.72	7.29	6.36	2.55
1979-80.....	4.86	1.42	2.31	7.56	6.14	3.76
1980-81.....	5.36	1.79	3.03	8.33	6.38	4.52
1981-82.....	5.03	1.59	2.50	7.77	6.33	3.63
1982-83.....	4.54	1.17	1.96	6.20	6.30	2.18
1983-84.....	4.71	1.56	2.53	8.18	8.60	2.79
1984-85.....	4.44	1.60	2.71	7.92	7.98	2.49
1985-86.....	3.55	1.46	2.14	6.93	6.39	2.28
1986-87.....	2.55	1.06	1.55	4.34	4.47	1.63
1987-88.....	3.04	1.39	1.45	5.39	5.83	2.13
1988-89.....	4.60	2.05	2.54	9.30	6.80	2.77
1989-90.....	3.78	1.30	2.28	8.61	6.06	2.08
1990-91.....	2.93	1.04	1.80	5.08	5.85	1.70
1991-92.....	2.85	1.31	1.68	3.94	5.40	1.80
1992-93.....	2.99	1.51	1.80	5.46	6.24	2.13
1993-94.....	3.34	1.36	1.67	5.84	7.10	2.21
1994-95.....	4.69	1.36	2.13	6.81	7.94	2.31
1995-96.....	5.70	2.61	3.37	7.44	8.44	3.38
1996-97.....	4.13	1.56	2.59	8.04	9.03	3.77
1997-98.....	3.90	1.89	2.60	8.08	8.57	2.50
1998-99p.....	3.83	1.69	2.30	7.01	7.85	2.20

Note: Average unit (farm) values are estimated using grade distributions, quantities delivered (marketed) and final prices reported for the crop year. The prices produced are weighted according to these variables.

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 77 Alberta Wheat Crop by Type - Area, Yield and Production, 1990-1999

	Seeded Area (⁰⁰⁰ acres)	Yield Per Acre (bushels)	Production (⁰⁰⁰ tonnes)
All Wheat			
1990.....	7,770	33.1	6,994.8
1991.....	7,790	37.0	7,772.7
1992.....	8,055	30.6	6,327.6
1993.....	7,400	39.6	7,620.2
1994.....	6,190	33.8	5,592.7
1995.....	6,730	40.3	7,266.5
1996.....	7,350	39.8	7,789.1
1997.....	6,725	37.9	6,839.3
1998.....	6,810	37.1	6,752.3
1999p.....	7,160	42.1	8,137.6
Spring Wheat			
1990.....	6,850	33.6	6,260.0
1991.....	6,886	37.0	6,939.9
1992.....	7,400	30.6	5,832.3
1993.....	6,800	39.5	6,994.3
1994.....	5,300	34.1	4,822.5
1995.....	5,900	40.2	6,341.2
1996.....	6,450	40.8	6,989.0
1997.....	5,800	38.7	6,055.5
1998.....	5,690	36.5	5,543.9
1999p.....	6,360	42.2	7,251.7
Durum Wheat			
1990.....	750	28.7	585.1
1991.....	745	36.8	745.7
1992.....	575	30.2	435.4
1993.....	500	40.0	544.3
1994.....	800	31.9	694.0
1995.....	750	41.3	843.7
1996.....	800	32.8	713.0
1997.....	825	32.7	734.8
1998.....	1,050	40.0	1,143.1
1999p.....	750	40.0	816.5
Winter Wheat			
1990.....	170	34.4	149.7
1991.....	160	38.1	87.1
1992.....	80	31.4	59.9
1993.....	100	42.9	81.6
1994.....	90	37.3	76.2
1995.....	80	42.9	81.6
1996.....	100	35.6	87.1
1997.....	100	36.0	49.0
1998.....	70	40.0	65.3
1999p.....	50	51.0	69.4

Source: Agriculture Division, Statistics Canada

Table 78 Alberta Summerfallow Area by Census Division, 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998
C.D. #	⁰⁰⁰ acres							
1	543	515	602	519	568	470	472	520
2	529	570	545	472	465	406	395	458
3	99	87	56	59	53	35	35	38
4	624	623	613	630	568	563	526	609
5	857	833	815	786	722	670	589	559
6 & 15	113	82	99	72	78	43	148	55
7	395	333	355	327	333	299	252	244
8	45	41	35	31	70	12	14	36
9	6	10	0	10	4	1	1	6
10	353	267	241	248	239	225	242	200
11	86	76	50	50	81	29	35	47
12	82	60	64	57	42	53	57	79
13	100	78	109	74	7	54	97	74
14	10	13	3	9	138	2	3	6
16	18	26	11	11	1	10	17	2
17	199	162	196	132	164	157	262	155
18	41	20	26	23	20	28	45	18
19	277	205	181	190	247	144	310	194
Province	4,377	4,000	4,000	3,700	3,800	3,200	3,500	3,300

Source: Agriculture Division, Statistics Canada

Table 79 All Wheat Acreage and Production for Alberta Census Divisions, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
Seeded Acres ('000)										
C.D.										
1	690.0	745.0	685.0	675.0	684.0	620.0	663.0	644.0	612.0	653.4
2	962.0	936.0	889.0	889.0	806.0	759.0	696.0	826.0	769.0	828.5
3	460.0	415.0	458.0	405.0	314.0	212.0	208.0	269.0	283.0	296.6
4	712.0	679.0	682.0	642.0	583.0	561.0	525.0	588.0	546.0	531.9
5	1,217.0	1,162.0	1,193.0	1,323.0	1,168.0	1,063.0	992.0	1,201.0	1,173.0	1,096.1
6 & 15	286.0	287.0	310.0	291.0	270.0	200.0	194.0	327.0	366.0	279.4
7	845.0	853.0	895.0	950.0	954.0	841.0	827.0	912.0	876.0	732.9
8	102.0	126.0	145.0	210.0	154.0	137.0	178.0	162.0	110.0	162.3
9	1.0	1.0	3.0	2.0	2.0	0.0	5.0	11.0	8.0	1.1
10	901.0	931.0	892.0	1,040.0	954.0	840.0	867.0	930.0	793.0	850.0
11	162.0	166.0	171.0	159.0	208.0	136.0	224.0	215.0	234.0	243.9
12	100.0	134.0	75.0	76.0	84.0	57.0	52.0	65.0	37.0	69.8
13	101.0	125.0	129.0	174.0	115.0	65.0	246.0	119.0	86.0	141.8
14	4.0	4.0	5.0	8.0	5.0	5.0	57.0	3.0	4.0	1.1
16	8.0	5.0	7.0	15.0	5.0	8.0	3.0	4.0	2.0	1.1
17	292.0	371.0	393.0	390.0	355.0	206.0	332.0	317.0	193.0	284.8
18	69.0	72.0	71.0	83.0	60.0	31.0	37.0	46.0	31.0	51.6
19	708.0	748.0	712.0	713.0	669.0	439.0	619.0	706.0	442.0	573.8
Province	7,620.0	7,760.0	7,715.0	8,045.0	7,390.0	6,180.0	6,725.0	7,345.0	6,565.0	6,800.0
Yield Per Acre (bushels)										
1	25.5	26.0	40.9	34.6	40.9	33.0	43.3	33.1	32.6	36.9
2	44.1	34.2	42.3	35.9	47.3	39.5	50.0	40.5	41.8	48.7
3	28.7	31.5	35.3	23.4	34.8	34.1	43.2	37.2	39.7	44.1
4	12.5	12.6	29.5	27.7	32.5	25.6	24.3	22.2	21.8	22.2
5	29.4	33.0	36.1	31.9	39.0	33.2	46.2	43.6	37.8	41.3
6 & 15	37.2	41.5	40.3	27.0	38.9	35.7	49.7	44.7	47.9	48.1
7	25.3	35.5	34.8	28.1	39.3	30.6	30.5	38.1	32.8	27.6
8	48.8	52.2	44.5	41.5	47.3	48.7	62.3	53.7	55.5	53.0
9	32.0	34.0	49.0	32.0	44.8	75.8	40.5	52.1	38.4	50.0
10	36.5	34.8	32.1	26.7	41.8	32.5	27.1	40.5	37.9	30.1
11	44.7	53.3	50.5	39.8	53.8	55.9	54.7	60.2	58.3	50.9
12	34.5	31.3	25.8	23.6	40.2	37.6	30.0	42.6	41.0	39.6
13	41.3	45.7	48.3	36.6	49.5	47.3	49.2	48.6	48.8	48.5
14	32.3	34.3	49.0	30.0	34.6	25.4	28.7	39.8	29.8	55.6
16	32.3	34.2	26.0	23.2	41.7	24.9	31.0	28.6	31.0	37.1
17	33.0	34.6	36.4	29.0	30.6	27.6	33.2	41.2	46.7	31.7
18	32.2	36.3	36.3	29.3	28.8	28.7	44.7	41.8	26.2	30.9
19	31.7	37.2	36.6	29.5	33.9	34.4	49.0	41.6	39.6	32.5
Province	31.1	33.1	37.0	30.6	39.6	33.8	40.4	39.8	37.9	37.1
Production ('000 tonnes)										
1	478.0	530.7	773.3	608.9	707.2	546.1	782.3	587.2	552.3	641.3
2	1,154.5	882.0	1,026.4	798.1	997.2	814.3	940.1	909.7	888.5	1,073.7
3	359.5	358.7	441.0	201.8	274.3	189.2	240.0	276.1	306.7	348.6
4	242.8	235.6	550.1	469.7	491.1	382.9	339.5	350.0	328.8	314.0
5	972.0	1,052.8	1,175.4	1,084.2	1,200.2	946.8	1,251.2	1,439.1	1,230.4	1,203.4
6 & 15	288.9	326.2	340.0	190.1	275.7	189.4	258.7	392.7	486.6	357.0
7	580.7	830.2	857.4	707.9	974.5	689.2	681.6	958.9	789.5	537.2
8	135.6	179.3	175.6	229.4	190.3	171.0	299.4	236.3	168.1	228.9
9	0.9	0.0	4.0	1.7	1.9	0.2	5.4	15.2	8.4	1.2
10	894.9	890.6	781.4	729.6	1,045.0	731.8	631.0	1,023.9	827.2	680.7
11	197.6	242.7	235.0	166.7	294.6	203.9	336.0	349.7	378.5	329.8
12	93.9	114.1	54.1	46.2	89.1	57.6	40.1	75.7	42.5	74.0
13	113.7	156.2	169.6	171.1	148.3	82.0	328.9	154.2	114.5	182.4
14	3.5	3.7	6.8	6.1	3.8	3.0	45.1	0.0	3.7	2.0
16	7.0	4.8	5.0	9.2	4.1	5.1	2.2	2.2	1.8	0.0
17	262.1	351.9	389.3	281.5	281.7	152.2	289.7	314.7	232.4	239.7
18	60.6	71.1	77.2	65.5	43.5	23.7	45.1	50.8	21.2	42.1
19	611.2	764.2	711.1	559.9	597.7	404.2	821.0	652.7	458.3	496.4
Province	6,457.4	6,994.8	7,772.7	6,327.6	7,620.2	5,592.7	7,337.3	7,789.1	6,839.3	6,752.3

Source: Agriculture Division, Statistics Canada

Table 80 Barley (1) Acreage and Production for Alberta Census Divisions, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
C.D.	Harvested Acres ('000)									
1	53.0	61.0	63.0	46.0	61.0	77.0	90.0	108.0	99.0	74.9
2	265.0	265.0	317.0	292.0	299.0	323.0	392.0	395.0	394.0	347.4
3	390.0	390.0	372.0	387.0	390.0	391.0	423.0	436.0	476.0	497.1
4	40.0	45.0	55.0	49.0	62.0	79.0	54.0	90.0	77.0	75.9
5	397.0	425.0	464.0	428.0	454.0	451.0	522.0	570.0	570.0	573.1
6 & 15	558.0	520.0	520.0	465.0	476.0	551.0	535.0	571.0	581.0	571.0
7	380.0	379.0	436.0	360.0	391.0	422.0	437.0	467.0	440.0	376.5
8	568.0	570.0	574.0	527.0	529.0	488.0	470.0	537.0	443.0	462.8
9	38.0	22.0	28.0	17.0	13.0	19.0	11.0	15.0	8.0	33.3
10	660.0	645.0	635.0	568.0	544.0	598.0	569.0	692.0	652.0	504.4
11	494.0	501.0	454.0	390.0	390.0	338.0	319.0	388.0	358.0	306.8
12	203.0	183.0	162.0	125.0	161.0	160.0	179.0	203.0	184.0	137.5
13	433.0	432.0	407.0	265.0	303.0	309.0	315.0	400.0	334.0	254.8
14	14.0	15.0	14.0	16.0	6.0	9.0	5.0	7.0	7.0	14.6
16	18.0	19.0	23.0	14.0	15.0	18.0	23.0	11.0	15.0	16.3
17	269.0	254.0	193.0	168.0	148.0	117.0	159.0	156.0	183.0	112.3
18	26.0	25.0	26.0	12.0	16.0	11.0	10.0	7.0	22.0	7.3
19	344.0	349.0	257.0	221.0	242.0	189.0	187.0	246.0	257.0	234.0
Province	5,150.0	5,100.0	5,000.0	4,350.0	4,500.0	4,550.0	4,700.0	5,300.0	5,100.0	4,600.0
	Yield per Acre (bushels)									
1	44.6	45.5	58.7	55.6	58.1	49.9	63.0	45.2	46.8	52.0
2	68.6	66.8	67.3	57.4	72.3	62.7	72.5	69.7	68.8	71.5
3	45.1	52.1	54.6	44.5	52.9	52.6	57.8	47.5	60.1	52.1
4	24.1	26.5	41.7	42.9	51.1	42.2	41.3	42.2	36.1	34.3
5	44.6	52.2	54.6	55.2	64.1	50.2	69.0	65.6	57.0	59.1
6 & 15	56.2	59.1	58.2	47.3	65.0	58.7	70.2	66.9	65.8	59.1
7	40.7	52.6	48.2	45.2	61.0	49.5	48.7	54.4	48.6	44.1
8	60.3	58.5	61.4	63.8	69.9	63.9	73.8	71.7	68.3	67.2
9	52.1	50.2	60.0	50.7	54.4	58.6	65.2	56.5	52.2	60.8
10	53.2	53.2	44.2	46.7	65.4	51.7	45.3	59.3	52.6	47.4
11	55.6	68.3	63.0	59.7	75.7	62.0	68.4	66.0	62.8	67.5
12	45.5	54.1	31.6	33.8	63.2	52.3	43.5	60.8	51.7	47.4
13	47.1	63.5	60.2	56.2	71.8	58.9	68.7	62.5	51.5	61.6
14	38.1	55.1	60.0	36.1	68.9	54.3	58.7	61.8	60.8	68.6
16	40.2	45.2	31.4	29.6	49.9	40.0	41.4	45.0	44.6	44.2
17	46.2	43.4	48.1	45.0	49.2	45.0	49.9	50.8	49.2	41.0
18	47.3	55.1	46.7	51.3	43.6	42.3	66.3	45.6	41.2	60.6
19	51.2	48.1	48.0	44.7	54.9	49.8	69.9	59.1	50.9	49.3
Province	51.1	56.3	54.0	51.3	64.4	55.2	61.9	61.3	57.5	56.5
	Production ('000 tonnes)									
1	50.2	60.2	80.5	56.2	77.1	83.6	123.5	106.4	100.7	84.6
2	392.5	386.3	459.2	365.1	470.9	440.4	619.6	599.2	589.6	541.1
3	380.5	443.5	437.5	374.6	449.2	447.4	532.5	450.6	623.2	563.6
4	21.1	26.1	49.5	45.4	69.0	73.0	48.9	83.0	60.3	57.1
5	383.5	484.7	551.6	514.0	633.2	493.0	783.1	813.9	708.1	740.9
6 & 15	678.6	671.3	648.9	478.8	673.3	704.4	818.1	831.5	832.6	735.4
7	334.3	435.5	453.3	354.3	519.6	455.2	462.5	553.2	466.3	361.0
8	739.9	728.5	767.3	732.3	805.2	678.6	754.6	838.1	658.7	676.7
9	43.2	24.1	35.6	18.6	15.4	24.0	16.2	18.1	8.8	44.4
10	760.9	751.7	611.1	577.0	774.8	673.2	561.2	893.5	746.8	522.4
11	594.3	747.6	617.5	507.7	643.1	455.7	475.4	557.7	489.9	450.2
12	199.8	215.7	111.5	92.0	221.4	183.7	169.3	269.0	207.5	143.2
13	441.7	599.1	526.7	324.5	473.4	395.9	471.7	544.6	374.6	341.3
14	12.0	18.1	17.8	12.2	9.0	10.7	6.5	9.4	8.6	21.7
16	16.1	19.1	15.7	8.7	16.3	16.0	20.9	11.2	14.5	15.9
17	269.0	240.8	199.9	165.0	158.4	114.2	172.7	172.5	195.4	100.7
18	27.1	30.1	26.4	13.4	15.2	10.5	14.2	7.3	19.5	8.9
19	381.5	366.3	268.6	215.5	289.5	205.3	284.9	316.9	285.1	251.7
Province	5,726.2	6,248.7	5,878.6	4,855.3	6,314.0	5,464.9	6,335.8	7,076.0	6,390.2	5,660.8

(1) Barley for Grain.

Source: Agriculture Division, Statistics Canada

Table 81 Oats (1) Acreage and Production for Alberta Census Divisions, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
C.D.	Harvested Acres ('000)									
1	19.0	12.0	5.0	5.4	13.4	13.0	11.0	11.0	10.0	7.9
2	22.0	22.0	15.0	17.7	7.4	8.0	6.0	10.0	10.0	10.6
3	49.0	29.0	10.0	17.5	26.6	28.0	16.0	14.0	22.0	17.9
4	52.0	30.0	55.0	42.7	60.1	77.0	43.0	67.0	61.0	34.7
5	46.0	44.0	25.0	29.2	28.6	22.0	15.0	22.0	17.0	13.1
6 & 15	92.0	58.0	40.0	53.6	41.6	37.0	25.0	34.0	46.0	34.9
7	191.0	157.0	127.0	120.7	135.6	115.0	88.0	142.0	113.0	87.3
8	57.0	32.0	30.0	57.2	38.5	36.0	30.0	26.0	52.0	34.0
9	23.0	13.0	15.0	8.2	18.5	29.0	12.0	12.0	14.0	14.3
10	242.0	189.0	153.0	213.0	223.5	186.0	94.0	192.0	171.0	128.5
11	183.0	133.0	80.0	141.9	149.2	123.0	86.0	119.0	109.0	96.1
12	83.0	45.0	30.0	45.7	60.0	56.0	39.0	72.0	65.0	36.2
13	166.0	125.0	125.0	123.5	134.0	157.0	116.0	145.0	131.0	96.4
14	16.0	9.0	15.0	23.0	16.7	20.0	10.0	14.0	21.0	12.2
16	32.0	23.0	15.0	39.0	22.4	28.0	11.0	20.0	15.0	19.3
17	129.0	85.0	40.0	108.4	81.1	91.0	65.0	66.0	45.0	62.3
18	11.0	23.0	15.0	24.9	15.9	19.0	29.0	11.0	34.0	7.9
19	137.0	121.0	55.0	128.4	126.9	105.0	54.0	71.0	64.0	86.4
Province	1,550.0	1,150.0	850.0	1,200.0	1,200.0	1,150.0	750.0	1,050.0	1,000.0	800.0
	Yield Per Acre (bushels)									
1	39.4	37.6	72.0	64.1	83.3	60.0	65.3	52.0	42.7	68.8
2	68.4	57.7	82.0	71.0	76.3	82.0	90.3	53.5	65.4	75.8
3	51.6	60.9	61.0	52.0	79.3	48.4	66.5	49.0	78.7	59.7
4	24.9	28.5	51.0	54.7	62.2	49.4	39.1	40.7	38.5	42.5
5	44.9	54.9	54.4	58.8	81.3	56.6	82.1	64.0	51.5	74.1
6 & 15	64.0	72.0	61.5	65.2	81.3	67.9	86.5	80.8	83.4	78.1
7	46.9	56.9	57.4	53.5	71.5	55.3	47.9	59.2	48.6	44.3
8	73.4	78.9	69.3	70.9	82.4	75.5	73.4	82.3	78.0	78.9
9	72.2	60.6	69.3	61.8	79.5	84.8	81.6	61.2	73.9	74.8
10	65.5	60.8	48.8	48.8	75.1	66.8	54.0	69.7	63.2	52.7
11	71.0	73.3	75.0	59.4	89.0	82.7	81.6	70.2	65.6	73.7
12	54.3	53.5	36.0	35.1	70.9	61.3	43.3	67.4	68.3	61.8
13	72.9	72.2	63.6	56.1	91.0	73.9	76.8	74.2	67.1	69.7
14	61.4	60.6	64.7	52.9	69.6	75.1	62.2	41.8	57.0	69.8
16	53.0	60.7	36.0	40.6	89.5	60.1	43.7	63.6	55.9	62.6
17	62.8	58.5	69.5	63.1	74.9	60.2	65.8	66.5	71.2	61.8
18	66.3	60.7	70.0	56.9	77.5	63.4	70.3	68.6	62.7	72.3
19	72.7	65.4	69.3	60.0	82.3	72.3	93.3	78.8	69.9	62.7
Province	61.9	62.6	60.0	56.0	79.2	67.0	66.7	66.7	63.5	62.5
	Production ('000 tonnes)									
1	11.9	7.1	5.5	5.4	17.3	12.5	10.8	8.9	6.4	8.5
2	22.9	19.8	19.0	19.4	8.7	10.5	8.3	8.6	9.8	12.4
3	39.3	26.6	9.4	14.0	32.6	21.3	16.0	10.2	26.3	16.5
4	20.1	13.1	43.5	36.0	57.6	58.5	25.8	42.2	36.1	22.7
5	32.0	37.0	21.0	26.5	35.8	19.0	19.0	21.4	13.7	14.9
6 & 15	91.4	64.7	37.9	53.9	52.2	39.0	33.5	42.3	59.5	42.1
7	139.0	138.6	112.5	99.6	149.7	97.6	64.9	129.7	84.7	59.6
8	64.9	38.3	32.1	62.5	49.0	41.7	33.9	33.4	62.8	41.4
9	25.6	12.2	16.0	7.8	22.7	38.3	14.9	11.7	15.6	16.6
10	245.2	176.5	115.8	160.5	258.6	191.6	78.5	206.4	166.9	104.6
11	201.2	150.5	92.5	130.0	204.9	156.4	108.7	129.2	110.0	109.5
12	69.5	37.3	16.7	24.7	65.5	52.6	26.0	75.2	68.0	33.5
13	186.5	139.8	123.4	106.8	187.9	178.9	137.4	166.1	135.8	103.7
14	14.6	7.9	15.0	18.7	18.0	23.1	9.9	9.2	18.7	13.1
16	26.5	21.5	8.3	24.4	30.9	26.4	7.6	19.1	12.8	19.5
17	125.3	76.7	42.9	105.5	93.7	84.1	63.6	68.1	49.7	59.4
18	11.0	21.5	16.2	21.9	19.0	18.6	32.0	12.0	33.2	9.5
19	153.6	121.3	58.8	118.8	161.0	117.4	80.3	85.8	69.2	83.6
Province	1,480.5	1,110.4	786.5	1,036.4	1,465.1	1,187.5	771.1	1,079.5	979.3	771.1

(1) Oats for Grain.

Source: Agriculture Division, Statistics Canada

Table 82 Canola Acreage and Production for Alberta Census Divisions, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998p
C.D.	Seeded Acres ('000)									
1	7.0	15.0	22.0	25.0	43.0	117.0	123.3	68.2	88.0	73.8
2	39.0	36.0	67.0	71.0	106.0	199.0	200.4	122.2	138.0	201.1
3	30.0	27.0	33.0	50.0	75.0	153.0	116.7	78.0	73.0	93.0
4	27.0	16.0	52.0	41.0	77.0	144.0	145.8	52.2	89.0	102.1
5	192.0	138.0	198.0	198.0	296.0	456.0	479.6	337.3	430.0	425.5
6 & 15	172.0	132.0	155.0	179.0	177.0	224.0	249.2	128.4	174.0	212.2
7	463.0	366.0	380.0	428.0	495.0	602.0	572.0	425.8	520.0	502.3
8	161.0	160.0	152.0	150.0	154.0	313.0	223.7	139.9	161.0	261.8
9	3.0	3.0	4.0	1.0	1.0	1.0	2.1	1.1	4.0	1.1
10	619.0	556.0	655.0	601.0	702.0	886.0	698.6	495.4	687.0	773.2
11	84.0	77.0	150.0	119.0	219.0	252.0	224.7	202.4	293.0	304.2
12	115.0	106.0	111.0	78.0	114.0	140.0	115.9	86.5	94.0	136.8
13	131.0	173.0	118.0	96.0	12.0	230.0	197.1	98.3	178.0	228.4
14	1.0	1.0	1.0	0.0	147.0	2.0	0.0	1.1	0.0	2.0
16	8.0	7.0	13.0	20.0	0.0	10.0	8.3	8.9	6.0	6.7
17	246.0	234.0	297.0	224.0	342.0	462.0	423.3	357.1	410.0	336.6
18	40.0	44.0	41.0	55.0	43.0	46.0	36.2	23.2	27.0	41.4
19	353.0	359.0	533.0	514.0	647.0	763.0	633.1	524.0	629.0	647.8
Province	2,691.0	2,450.0	2,982.0	2,850.0	3,650.0	5,000.0	4,450.0	3,150.0	4,000.0	4,350.0
	Yield Per Acre (bushels)									
1	40.0	40.3	30.9	31.0	33.6	25.0	30.6	25.7	22.7	27.4
2	31.5	32.0	34.5	30.7	36.9	26.0	33.4	30.2	28.9	32.8
3	22.3	23.1	23.1	23.9	27.8	23.2	26.8	20.7	25.3	28.3
4	8.0	12.8	18.8	20.4	24.1	20.1	19.8	20.5	14.4	13.0
5	21.1	22.8	27.2	22.1	29.5	21.5	28.4	27.7	24.3	26.7
6 & 15	22.8	23.1	22.7	17.6	24.8	20.7	24.2	25.0	26.9	28.4
7	19.6	21.1	26.5	21.0	26.6	22.1	22.5	24.8	21.6	21.2
8	24.5	24.0	24.4	24.9	27.5	25.4	26.4	30.8	29.9	32.5
9	22.5	22.8	20.0	20.8	15.3	18.0	21.7	22.0	25.7	31.0
10	23.4	23.2	21.9	19.8	25.3	20.7	19.1	23.6	24.4	24.5
11	23.7	28.4	31.5	28.1	31.1	27.9	32.3	33.8	33.2	35.0
12	20.8	21.5	15.3	18.3	24.0	18.5	17.3	24.4	24.9	26.2
13	20.0	23.9	24.4	24.6	26.7	20.4	23.5	28.1	26.4	33.2
14	22.5	22.5	22.5	0.0	0.0	10.2	0.0	0.0	0.0	30.6
16	22.5	22.6	15.8	14.7	20.4	14.2	14.4	22.6	13.3	17.0
17	19.3	17.7	21.0	18.3	22.2	19.0	21.2	19.4	16.3	17.7
18	22.5	22.6	20.9	22.8	19.4	19.5	22.3	13.1	14.1	26.1
19	22.2	18.1	21.1	21.7	22.9	21.3	24.9	22.7	16.9	22.0
Province	23.0	23.1	24.0	21.6	26.1	21.8	24.3	25.0	23.1	25.1
	Production ('000 tonnes)									
1	15.7	14.1	16.4	14.7	31.9	66.2	86.6	39.6	45.8	44.7
2	29.4	27.5	58.7	47.7	90.8	117.3	153.4	83.4	91.7	145.1
3	15.7	14.7	18.5	19.2	47.5	80.3	67.0	36.2	41.8	58.0
4	5.1	4.8	25.6	20.0	42.1	65.8	61.6	23.9	27.6	29.1
5	96.4	74.9	125.1	92.5	201.8	222.2	311.6	209.6	236.2	249.3
6 & 15	93.5	72.9	79.8	44.0	100.0	105.1	137.4	71.7	106.0	132.1
7	215.7	184.4	229.1	212.6	302.4	301.7	292.0	237.6	254.9	233.9
8	94.1	91.7	85.7	82.2	96.7	180.1	135.9	97.5	110.1	187.4
9	1.7	1.5	1.8	0.5	0.2	0.4	1.1	0.5	2.4	0.8
10	346.0	308.2	330.5	272.0	405.2	416.3	294.7	257.5	382.4	416.4
11	47.4	52.3	108.5	79.0	157.0	159.8	165.8	154.5	221.0	233.9
12	57.0	54.6	39.5	30.4	62.5	58.5	41.1	42.1	51.4	80.7
13	62.5	3.7	69.2	56.1	5.8	106.4	98.8	59.8	101.8	166.5
14	0.4	98.3	0.5	0.0	91.0	0.5	0.0	0.1	0.0	1.4
16	4.1	0.4	4.7	4.1	0.0	3.1	2.8	2.6	1.9	2.0
17	113.4	99.0	145.5	89.8	166.7	198.6	195.9	145.4	133.3	131.1
18	21.3	23.7	19.4	27.8	18.2	20.3	18.0	5.4	7.3	23.7
19	186.7	154.7	263.1	256.8	334.8	369.5	363.0	233.6	225.6	313.6
Province	1,406.1	1,281.4	1,621.6	1,349.4	2,154.6	2,472.1	2,426.7	1,701.0	2,041.2	2,449.5

Source: Agriculture Division, Statistics Canada

Table 83 All Rye Acreage and Production for Alberta Census Divisions, 1991-1998

C.D.	1991	1992	1993	1994	1995	1996	1997	1998p
Harvested Acres ('000)								
1	3.0	2.1	3.7	13.0	1.0	5.0	2.0	3.9
2	7.6	8.7	6.7	4.0	2.0	1.0	4.0	6.0
3	3.0	6.5	2.3	1.0	3.0	0.0	3.0	7.8
4	16.8	7.6	9.4	14.0	12.0	10.0	12.0	9.8
5	10.7	16.7	14.0	3.0	11.0	19.0	13.0	22.8
6 & 15	17.5	19.4	8.3	32.0	13.0	10.0	6.0	10.3
7	12.2	11.7	22.7	19.0	18.0	27.0	13.0	12.5
8	2.3	3.0	1.2	2.0	1.0	2.0	1.0	1.5
9	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.4
10	2.3	4.6	5.5	9.0	6.0	3.0	4.0	7.2
11	1.5	1.6	0.7	0.0	0.0	0.0	0.0	0.9
12	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.1
13	0.0	3.3	1.9	0.0	0.0	1.0	0.0	2.4
14	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
16	0.2	1.1	0.3	3.0	0.0	0.0	0.0	0.0
17	0.8	0.9	2.6	0.0	1.0	3.0	0.0	0.0
18	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
19	0.8	6.1	0.5	0.0	1.0	0.0	2.0	9.4
Province	80.0	95.0	80.0	100.0	70.0	80.0	60.0	95.0
Yield Per Acre (bushels)								
1	37.5	31.3	34.2	30.3	29.4	20.9	28.3	23.5
2	27.5	33.6	40.2	39.7	26.6	29.7	35.3	39.5
3	41.3	32.9	52.0	40.3	39.9	0.0	44.0	47.9
4	30.2	30.5	33.5	27.0	24.1	20.5	21.8	22.4
5	38.6	33.5	53.4	30.5	53.4	30.3	41.0	35.6
6 & 15	43.5	31.1	38.0	45.7	39.9	51.8	43.3	40.0
7	34.1	34.5	35.8	30.2	23.8	32.4	27.9	21.7
8	33.3	25.4	50.6	41.7	19.6	32.6	52.5	65.0
9	33.3	32.2	0.0	0.0	0.0	0.0	0.0	0.0
10	33.3	22.9	39.8	24.8	19.6	26.2	24.5	27.2
11	37.5	34.0	17.5	0.0	0.0	0.0	0.0	0.0
12	30.0	0.0	29.7	0.0	0.0	0.0	0.0	0.0
13	45.0	26.2	35.9	0.0	0.0	30.6	0.0	40.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	19.5	39.8	33.0	0.0	0.0	0.0	0.0
17	35.0	28.8	42.0	14.2	19.6	20.4	0.0	0.0
18	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0
19	35.0	27.3	24.9	31.2	34.3	0.0	28.9	33.8
Province	37.5	31.1	40.0	35.0	34.3	31.5	32.5	32.1
Production ('000 tonnes)								
1	3.0	1.7	3.2	10.1	0.5	2.8	1.2	2.1
2	5.6	7.4	6.8	4.4	1.6	1.0	3.9	5.7
3	3.3	5.4	2.9	1.0	3.2	0.0	2.8	9.0
4	13.4	5.9	8.0	9.8	5.1	5.0	6.7	5.3
5	11.0	14.3	18.9	2.4	20.0	14.5	13.2	19.8
6 & 15	20.2	15.5	8.0	36.8	15.6	13.5	7.0	10.0
7	10.9	10.3	21.0	14.5	9.0	22.5	9.4	6.6
8	2.8	1.9	1.5	1.8	0.6	1.4	1.4	2.1
9	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.6
10	2.0	2.6	5.6	5.5	3.2	1.9	2.5	4.7
11	1.5	1.3	0.3	0.0	0.1	0.0	0.0	1.1
12	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0
13	0.0	2.2	1.7	0.0	0.5	0.0	0.0	2.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.5	0.2	2.3	0.0	0.0	0.0	0.0
17	0.7	0.7	2.7	0.0	0.3	1.5	0.0	0.0
18	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
19	0.7	4.2	0.3	0.3	1.3	0.0	1.4	8.0
Province	76.2	75.0	81.3	88.9	61.0	64.1	49.6	77.5

Source: Agriculture Division, Statistics Canada

Table 84 Flaxseed Acreage and Production for Alberta Census Divisions, 1991-1998

C.D.	1991	1992	1993	1994	1995	1996	1997	1998p
Seeded Acres ('000)								
1	5.1	0.9	2.4	5.0	5.0	1.0	2.0	2.4
2	11.7	6.0	14.0	9.0	13.0	4.0	11.0	11.6
3	1.1	0.4	1.1	2.0	3.0	2.0	4.0	1.7
4	1.5	0.0	0.0	2.0	4.0	1.0	5.0	1.9
5	11.2	7.2	9.7	10.0	9.0	3.0	8.0	12.1
6 & 15	1.6	0.0	0.6	1.0	0.0	1.0	0.0	1.1
7	6.6	3.6	6.5	14.0	7.0	2.0	3.0	4.0
8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	16.6	17.3	12.9	16.0	22.0	7.0	20.0	12.6
11	0.7	3.5	0.4	0.0	0.0	1.0	2.0	2.1
12	1.2	0.7	2.3	0.0	0.0	1.0	2.0	0.6
13	1.0	0.0	0.7	0.0	3.0	1.0	1.0	1.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	4.6	2.2	3.7	1.0	1.0	7.0	1.0	2.1
18	0.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0
19	5.7	3.2	5.3	10.0	23.0	7.0	12.0	15.9
Province	70.5	45.0	60.0	70.0	90.0	35.0	60.0	70.0
Yield Per Acre (bushels)								
1	36.0	27.6	34.4	19.2	23.5	24.8	12.0	27.3
2	28.0	30.0	38.5	25.5	32.1	24.8	34.9	30.4
3	15.0	18.9	25.1	24.9	17.1	18.4	15.7	31.4
4	15.0	0.0	0.0	29.7	22.4	28.6	16.1	16
5	30.0	27.8	28.8	20.5	27.7	18.3	18.2	21
6 & 15	0.0	0.0	26.2	24.7	0.0	0.0	0.0	25
7	23.0	19.8	20.0	20.3	18.3	23.7	19.8	15.3
8	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	17.2	14.7	22.3	23.1	15.7	26.0	15.4	16.5
11	0.0	17.0	9.8	0.0	0.0	0.0	32.2	31.7
12	0.0	11.3	17.1	0.0	0.0	0.0	15.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	14.9	21.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11.0	14.7	18.1	27.1	19.7	12.5	0.0	30.0
18	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	11.5	14.6	23.8	23.9	27.4	22.6	23.0	19.0
Province	21.3	18.8	26.7	22.9	23.3	22.9	20.8	22.1
Production ('000 tonnes)								
1	4.8	0.7	2.1	2.5	3.1	0.8	0.5	1.6
2	8.5	4.2	13.7	5.9	10.2	3.5	8.6	9.0
3	0.4	0.0	0.7	1.3	1.5	1.2	1.2	1.5
4	0.6	0.0	0.0	1.4	2.4	0.6	1.6	0.8
5	8.7	2.0	7.1	5.1	6.0	2.2	3.1	6.5
6 & 15	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.7
7	3.9	1.9	3.3	7.1	3.8	2.2	1.5	1.6
8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	7.4	6.9	7.3	9.8	8.9	6.4	6.8	5.3
11	0.0	1.6	0.1	0.0	0.0	0.0	1.7	1.6
12	0.0	0.2	1.0	0.0	0.0	0.0	0.7	0.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1.3	0.9	1.7	0.9	0.8	0.1	0.0	1.5
18	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1.7	0.7	3.2	6.1	16.7	3.3	5.7	8.0
Province	38.1	19.1	40.6	40.6	53.3	20.3	31.8	39.4

Source: Agriculture Division, Statistics Canada

Table 85 Tame Hay Acreage and Production for Alberta Census Divisions, 1991-1998

C.D.	1991	1992	1993	1994	1995	1996	1997	1998p
Harvested Acres ('000)								
1	82.0	96.3	126.1	117.3	126.0	85.9	78.6	97.7
2	228.0	220.1	202.3	259.3	265.0	229.9	210.5	248.0
3	156.0	137.6	190.7	184.5	251.0	194.7	178.4	169.1
4	124.0	199.5	234.2	258.0	230.0	259.5	237.7	228.1
5	105.0	138.9	148.7	153.5	152.0	156.0	142.9	145.2
6 & 15	283.0	392.2	292.9	349.9	402.0	374.7	343.2	343.6
7	223.0	316.5	294.0	324.4	310.0	317.7	291.0	271.4
8	332.0	344.0	359.6	398.9	420.0	421.7	386.2	315.0
9	139.0	162.4	146.2	229.3	131.0	166.1	152.1	139.9
10	294.0	337.1	357.7	413.8	419.0	372.7	341.4	341.1
11	560.0	646.7	612.0	573.2	644.0	543.9	498.2	590.9
12	237.0	282.0	268.7	269.2	292.0	261.1	239.2	356.9
13	657.0	825.5	725.6	727.7	681.0	648.5	594.0	638.5
14	97.0	96.3	139.5	89.7	139.0	69.4	63.5	96.1
16	112.0	115.6	92.4	109.7	100.0	94.1	86.2	150.6
17	270.0	378.4	403.4	473.6	429.0	486.7	445.8	327.1
18	98.0	89.4	73.1	149.6	100.0	140.9	129.0	90.4
19	339.0	371.5	432.9	568.4	509.0	526.5	482.2	550.5
Province	4,336.0	5,150.0	5,100.0	5,650.0	5,600.0	5,350.0	4,900.0	5,100.0
Yield Per Acre (tons)								
1	2.67	1.80	1.72	1.56	2.40	1.11	0.80	1.94
2	3.89	2.69	3.29	2.12	2.30	0.75	1.37	1.82
3	2.26	1.78	1.55	1.75	2.10	0.95	0.87	1.98
4	1.35	1.49	1.10	2.32	0.40	1.39	0.46	0.92
5	2.17	2.47	1.48	1.45	2.50	1.15	0.89	1.65
6 & 15	2.43	2.50	2.38	1.86	2.00	3.16	1.06	1.67
7	1.78	1.27	1.35	1.00	0.90	0.64	0.79	0.98
8	2.81	2.34	2.52	1.97	1.50	0.58	1.34	1.12
9	2.81	2.81	2.50	3.07	2.60	2.53	1.35	1.30
10	1.93	1.12	1.18	1.56	0.90	0.80	0.92	0.84
11	1.98	1.33	1.26	1.98	1.50	2.41	1.15	1.06
12	1.40	0.74	0.86	2.08	0.90	1.53	0.97	0.77
13	2.36	1.51	1.55	2.36	1.20	0.74	1.14	1.01
14	2.38	0.66	1.51	2.38	1.30	0.99	1.30	0.99
16	1.39	0.45	1.20	1.71	1.20	1.52	0.96	0.75
17	1.40	1.59	1.25	1.20	1.40	1.16	0.79	1.01
18	1.41	1.47	2.22	0.94	1.70	2.25	0.88	0.98
19	1.41	1.30	1.24	1.04	1.70	2.22	0.96	0.88
Province	2.08	1.62	1.60	1.80	1.50	1.50	1.00	1.20
Production ('000 tons)								
1	214.5	175.7	217.5	182.9	303.7	95.4	63.2	115.2
2	859.2	597.9	665.8	549.6	618.6	172.6	288.1	288.2
3	345.5	247.6	295.9	322.8	528.1	185.3	155.3	216.9
4	164.1	299.5	258.6	598.4	81.2	361.4	110.0	239.5
5	223.3	345.9	219.9	222.5	375.3	179.5	127.1	170.7
6 & 15	668.9	989.2	698.5	650.8	822.7	1,183.9	363.3	409.6
7	388.9	406.7	398.2	324.3	268.8	202.2	230.7	312.2
8	909.5	813.5	907.4	785.7	624.0	246.0	517.9	401.1
9	387.6	459.8	364.8	704.0	344.8	420.0	204.9	207.0
10	556.1	381.3	423.1	645.5	368.1	296.9	315.4	328.9
11	1,104.9	868.7	770.0	1,134.8	996.3	1,311.5	571.4	811.0
12	325.2	212.2	230.2	559.9	253.5	400.4	231.2	298.0
13	1,510.5	1,259.2	1,126.1	1,717.7	875.4	481.6	679.5	746.2
14	226.3	64.1	210.5	213.6	166.8	68.8	82.8	119.5
16	152.6	51.9	111.2	187.5	124.2	143.0	82.8	116.8
17	356.4	606.8	503.2	568.3	619.2	566.4	352.3	326.0
18	138.1	132.6	162.3	140.6	166.3	317.5	113.4	101.2
19	468.4	487.4	536.8	591.1	863.0	1,167.6	460.7	542.0
Province	9,000.0	8,400.0	8,100.0	10,100.0	8,400.0	7,800.0	4,950.0	5,750.0

Source: Agriculture Division, Statistics Canada

Table 86 Alberta Special Crops - Area, Yield, Production and Price, 1990-1999

	Harvested (acres)	Yield Per Acre (bushels)	Production (tonnes)	Price (\$/unit)
Corn for Grain				
1990.....	7,000	92.9	16,500	2.89 /bu
1991.....	8,700	92.3	20,300	2.84 /bu
1992.....	4,000	55.0	5,600	2.80 /bu
1993.....	5,000	100.0	12,700	3.53 /bu
1994.....	5,000	100.0	12,700	3.68 /bu
1995.....	5,000	100.0	12,700	3.68 /bu
1996.....	2,600	96.2	6,400	-
1997.....	4,000	100.0	10,200	-
1998.....	5,000	90.0	11,400	-
1999p....	10,000	80.0	20,300	-
Peas, Dry				
1990.....	85,000	37.6	87,000	184.00 /tonne
1991.....	167,100	36.2	164,700	161.00 /tonne
1992.....	190,000	29.2	151,000	175.00 /tonne
1993.....	280,000	39.3	299,400	159.84 /tonne
1994.....	390,000	35.3	374,200	171.59 /tonne
1995.....	445,000	34.0	412,300	171.59 /tonne
1996.....	280,000	40.4	307,500	224.14 /tonne
1997.....	385,000	40.3	421,800	252.80 /tonne
1998.....	500,000	35.9	488,000	171.23 /tonne
1999p....	455,000	42.9	530,800	-
Dry Beans				
1990.....	24,400	32.1	21,300	17.20 /cwt
1991.....	26,700	37.2	29,800	15.19 /cwt
1992.....	12,000	17.3	5,700	21.81 /cwt
1993.....	30,000	25.0	20,400	27.10 /cwt
1994.....	25,000	32.0	36,300	24.84 /cwt
1995.....	30,000	33.3	27,200	24.84 /cwt
1996.....	25,000	30.0	20,400	29.00 /cwt
1997.....	35,000	38.2	36,300	27.68 /cwt
1998.....	45,000	37.0	45,400	26.61 /cwt
1999p....	47,000	33.3	42,700	-
Lentils				
1990.....	5,000	20.0	2,700	448.00 /tonne
1991.....	12,200	21.7	6,600	306.00 /tonne
1992.....	45,000	15.7	15,600	232.00 /tonne
1993.....	30,000	12.9	9,400	399.30 /tonne
1994.....	40,000	15.0	19,500	407.83 /tonne
1995.....	38,000	20.8	21,500	407.83 /tonne
1996.....	20,000	15.2	7,700	462.97 /tonne
1997.....	25,000	12.2	8,300	330.69 /tonne
1998.....	15,000	19.7	8,000	352.74 /tonne
1999p....	22,000	20.8	12,400	-
Mustard				
1990.....	80,000	19.0	34,500	291.00 /tonne
1991.....	59,900	21.6	30,500	208.00 /tonne
1992.....	35,000	23.4	20,100	220.00 /tonne
1993.....	60,000	27.3	32,100	210.92 /tonne
1994.....	90,000	18.6	36,300	275.58 /tonne
1995.....	100,000	23.3	51,100	275.58 /tonne
1996.....	85,000	15.1	29,000	388.89 /tonne
1997.....	145,000	15.4	50,600	511.47 /tonne
1998.....	110,000	15.9	39,700	379.19 /tonne
1999p....	90,000	22.0	44,800	-

Source: Agriculture Division, Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 86 Alberta Special Crops - Area, Yield, Production and Price - Cont'd

	Harvested (acres)	Yield Per Acre	Production (tonnes)	Price (\$/unit)
Triticale				
1990.....	8,000	18.8 /bu	4,000	113.00 /tonne
1991.....	7,600	33.0 /bu	6,500	77.85 /tonne
1992.....	8,000	24.5 /bu	5,000	79.35 /tonne
1993.....	15,000	40.0 /bu	15,200	93.50 /tonne
1994.....	10,000	40.0 /bu	10,200	114.00 /tonne
1995.....	10,000	50.0 /bu	12,700	114.00 /tonne
1996.....	15,000	33.3 /bu	12,700	178.34 /tonne
1997.....	15,000	36.7 /bu	14,000	- /tonne
1998.....	50,000	38.0 /bu	48,300	177.16 /tonne
1999p.....	60,000	53.3 /bu	81,300	- /tonne
Potatoes				
1990.....	28,500	240.0 /cwt	310,300	6.50 /cwt
1991.....	27,200	220.0 /cwt	271,400	6.10 /cwt
1992.....	26,100	230.0 /cwt	272,300	8.93 /cwt
1993.....	27,700	269.0 /cwt	338,000	9.07 /cwt
1994.....	29,000	277.8 /cwt	365,500	9.00 /cwt
1995.....	29,500	297.7 /cwt	398,400	9.00 /cwt
1996.....	30,000	315.0 /cwt	428,700	7.56 /cwt
1997.....	30,500	290.0 /cwt	401,200	8.60 /cwt
1998.....	32,200	295.0 /cwt	428,800	8.75 /cwt
1999p.....	40,000	290.0 /cwt	515,000	9.00 /cwt
Fodder Corn				
1990.....	15,000	13.3 /tons	181,000	-
1991.....	15,000	14.7 /tons	199,600	-
1992.....	20,000	9.0 /tons	163,300	-
1993.....	10,000	13.0 /tons	117,900	-
1994.....	10,000	20.0 /tons	181,400	-
1995.....	10,000	16.0 /tons	145,100	-
1996.....	10,000	19.5 /tons	176,900	-
1997.....	15,000	12.0 /tons	163,300	-
1998.....	15,000	20.0 /tons	272,200	-
1999p.....	15,000	13.3 /tons	181,400	-
Canary Seed				
1990.....	10,000	24.3 /bu	5,500	10.00 /cwt
1991.....	6,700	19.8 /bu	3,000	7.00 /cwt
1992.....	1,500	-	-	9.00 /cwt
1993.....	6,200	29.4 /bu	4,100	10.00 /cwt
1994.....	20,000	22.0 /bu	9,980	21.00 /cwt
1995.....	10,000	19.8 /bu	4,500	21.00 /cwt
1996.....	25,000	19.2 /bu	10,900	19.00 /cwt
1997.....	10,000	16.2 /bu	3,700	13.00 /cwt
1998.....	20,000	19.0 /bu	8,600	12.00 /cwt
1999p.....	10,000	28.0 /bu	6,400	11.00 /cwt
Sunflowers (price for non-oil sunflowers only)				
1990.....	3,000	1,667.0 /lbs	2,300	419.00 /tonne
1991.....	2,800	1,632.0 /lbs	2,100	373.00 /tonne
1992.....	3,000	833.0 /lbs	1,100	404.00 /tonne
1993.....	5,000	1,000.0 /lbs	2,300	413.00 /tonne
1994.....	5,000	2,000.0 /lbs	4,500	507.00 /tonne
1995.....	5,000	1,900.0 /lbs	4,300	507.00 /tonne
1996.....	2,000	1,675.0 /lbs	1,500	529.00 /tonne
1997.....	5,000	1,400.0 /lbs	3,200	390.00 /tonne
1998.....	5,000	1,900.0 /lbs	4,300	385.00 /tonne
1999p.....	5,000	1,600.0 /lbs	3,600	339.00 /tonne

Source: Agriculture Division, Statistics Canada; and Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 87 Canadian Wheat Board Payments, 1992-93 to 1998-99

	1992-93*	1993-94*	1994-95*	1995-96*	1996-97*	1997-98*	1998-99**
	\$/tonne (Basis Edmonton/Calgary)						
WHEAT							
No. 1 C.W. Red Spring (14.5%).....	170.04	205.20	211.20	245.27	196.87	180.16	122.26
No. 1 C.W. Red Spring (13.5%).....	145.42	171.16	186.43	234.83	185.57	170.31	109.26
No. 1 C.W. Red Spring.....	135.50	141.19	171.64	217.24	168.89	149.39	88.26
No. 2 C.W. Red Spring (13.5%).....	136.82	163.12	179.64	229.28	181.29	166.63	105.26
No. 2 C.W. Red Spring.....	128.67	132.64	165.50	214.25	165.40	146.75	85.26
No. 3 C.W. Red Spring.....	123.87	120.00	156.16	210.68	157.48	135.84	75.26
No. 1 Canada Prairie Spring (Red).....	124.09	121.50	154.98	209.31	155.59	130.68	73.26
No. 2 Canada Prairie Spring (Red).....	122.09	117.50	152.77	207.33	154.50	129.62	71.26
No. 1 Canada Prairie Spring (White)...	131.00	120.50	156.22	208.44	156.04	130.49	69.26
No. 2 Canada Prairie Spring (White)...	129.50	116.50	154.15	206.95	154.96	129.49	67.26
No. 1 C.W. Extra Strong.....	138.52	139.19	169.26	219.65	171.27	149.86	86.26
No. 2 C.W. Extra Strong.....	127.72	131.79	162.60	216.59	168.80	148.05	85.26
Canada Western Feed.....	99.42	91.57	129.91	180.20	117.68	99.62	48.26
No. 1 C.W. Red Winter.....	138.07	126.00	161.34	214.79	162.50	139.76	79.26
No. 2 C.W. Red Winter.....	134.06	122.00	156.91	210.93	160.81	138.76	76.26
No. 1 C.W. Soft White Spring.....	133.65	109.86	155.52	208.33	157.85	129.96	65.26
No. 2 C.W. Soft White Spring.....	130.34	106.86	153.48	205.33	155.22	128.1	64.26
No. 3 C.W. Soft White Spring.....	106.31	91.57	130.91	180.20	117.68	99.62	48.26
No. 1 C.W. Amber Durum (13%).....	-	229.59	273.56	292.90	225.35	245.26	103.26
No. 1 C.W. Amber Durum.....	137.04	212.54	247.06	249.21	210.60	236.84	93.26
No. 2 C.W. Amber Durum (13%).....	-	222.36	262.55	284.02	214.61	237.99	95.26
No. 2 C.W. Amber Durum.....	132.29	204.06	237.60	240.63	202.09	229.70	85.26
No. 3 C.W. Amber Durum.....	126.53	181.51	219.35	228.76	191.79	219.55	75.26
No. 4 C.W. Amber Durum.....	104.84	147.60	185.64	201.10	165.43	194.20	58.26
No. 5 C.W. Amber Durum.....	91.02	97.38	134.16	182.90	117.68	104.02	48.26
BARLEY							
Extra No. 1 C.W.	-	79.24	79.90	170.60	113.18	81.00	44.32
No. 1 C.W.	79.27	75.25	76.01	166.59	109.65	78.00	41.32
No. 2 C.W.	-	69.32	71.05	160.82	103.62	72.49	34.32
Standard C. W. Hulless.....	-	88.75	81.76	173.51	114.67	83.00	46.32
DESIGNATED BARLEY							
Special Select C.W. 2 - Row.....	137.61	109.93	151.24	210.09	187.50	153.30	94.32
Special Select C.W. 6 - Row.....	120.71	97.99	132.71	188.41	153.94	133.52	78.32
Select C.W. 2 - Row.....	135.11	107.43	148.74	207.59	185.00	150.80	90.32
Select C.W. 6 - Row.....	118.21	95.70	130.21	185.91	151.44	131.02	74.32
Sample Select C.W. 2 - Row.....	132.61	104.93	146.24	205.09	182.50	148.30	86.32
Sample Select C.W. 6 - Row.....	115.71	92.57	127.71	183.41	148.94	128.52	70.32
Select C. W. 2-Row Hulless.....	-	107.43	137.87	194.56	172.52	131.98	82.32
Select C. W. 6-Row Hulless.....	-	87.31	119.34	-	136.68	123.72	68.32

* Realized Total Payment ** Initial Payment
Source: Canadian Wheat Board

Table 88 Canadian Wheat Board Payments (Initial and Final), 1996-97 and 1997-98

	Initial Payment		Adjusted Payment		Final Payment		Realized Payment	
	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98
\$/tonne (Basis Edmonton/Calgary)								
WHEAT								
No. 1 C.W. Red Spring (14.5%).....	169.69	116.63	10.00	50.00	17.18	13.53	196.87	180.16
No. 1 C.W. Red Spring (13.5%).....	160.69	105.63	10.00	50.00	14.88	14.68	185.57	170.31
No. 1 C.W. Red Spring.....	150.69	88.63	10.00	50.00	8.20	10.76	168.89	149.39
No. 2 C.W. Red Spring (13.5%).....	154.69	100.63	10.00	50.00	16.60	16.00	181.29	166.63
No. 2 C.W. Red Spring.....	144.69	83.63	10.00	50.00	10.71	13.12	165.40	146.75
No. 3 C.W. Red Spring.....	137.69	77.63	10.00	48.00	9.79	10.21	157.48	135.84
No. 1 Canada Prairie Spring (Red)....	137.69	75.63	10.00	44.00	7.90	11.05	155.59	130.68
No. 2 Canada Prairie Spring (Red)....	135.69	73.63	10.00	44.00	8.81	11.99	154.50	129.62
No. 1 Canada Prairie Spring (White).	137.69	76.63	10.00	44.00	8.35	9.86	156.04	130.49
No. 2 Canada Prairie Spring (White).	135.69	74.63	10.00	44.00	9.27	10.86	154.96	129.49
No. 1 C.W. Extra Strong.....	149.69	89.63	10.00	48.00	11.58	12.23	171.27	149.86
No. 2 C.W. Extra Strong.....	143.69	87.63	10.00	48.00	15.11	12.42	168.80	148.05
Canada Western Feed.....	98.69	60.63	10.00	30.00	8.99	8.99	117.68	99.62
No. 1 C.W. Red Winter.....	139.69	81.63	10.00	48.00	12.81	10.13	162.50	139.76
No. 2 C.W. Red Winter.....	134.69	78.63	10.00	48.00	16.12	12.13	160.81	138.76
No. 1 C.W. Soft White Spring.....	137.69	79.63	10.00	42.00	10.16	8.33	157.85	129.96
No. 2 C.W. Soft White Spring.....	134.69	77.63	10.00	42.00	10.53	8.47	155.22	128.10
No. 3 C.W. Soft White Spring.....	98.69	60.63	10.00	30.00	8.99	8.99	117.68	99.62
No. 1 C.W. Amber Durum.....	139.69	137.63	55.00	87.00	24.91	12.21	210.60	236.84
No. 2 C.W. Amber Durum.....	130.69	129.63	55.00	87.00	24.40	13.07	202.09	229.70
No. 3 C.W. Amber Durum.....	130.69	119.63	55.00	87.00	24.10	12.92	191.79	219.55
No. 4 C.W. Amber Durum.....	122.69	97.63	40.00	87.00	22.74	9.57	165.43	194.20
No. 5 C.W. Amber Durum.....	112.69	60.63	10.00	30.00	8.99	13.39	117.68	104.02
BARLEY								
No. 1 C.W.	95.68	51.98	8.00	16.00	5.97	10.02	109.65	78.00
No. 2 C.W.	89.68	45.98	8.00	16.00	5.94	10.51	103.62	72.49
DESIGNATED BARLEY								
Special Select C.W. 2 - Row.....	138.68	105.98	45.00	38.00	3.82	9.32	187.50	153.30
Special Select C.W. 6 - Row.....	113.68	75.98	33.00	48.00	7.26	9.54	153.94	133.52
Select C.W. 2 - Row.....	134.68	101.98	45.00	38.00	5.32	10.82	185.00	150.80
Select C.W. 6 - Row.....	109.68	71.98	33.00	48.00	8.76	11.04	151.44	131.02
Sample Select C.W. 2 - Row.....	130.68	97.98	45.00	38.00	6.82	12.32	182.50	148.30
Sample Select C.W. 6 - Row.....	105.68	67.98	33.00	48.00	10.26	12.54	148.94	128.52

Source: Canadian Wheat Board

Table 89 Non-Board Feed Grain Prices, 1988-89 to 1997-98

	Lethbridge			Calgary			Red Deer		
	Wheat	Oats	Barley	Wheat	Oats	Barley	Wheat	Oats	Barley
	\$/tonne								
1988-89.....	147.51	153.69	121.92	142.71	148.12	114.05	140.12	139.93	108.80
1989-90.....	137.49	109.58	107.85	134.05	104.53	100.31	131.11	90.71	98.74
1990-91.....	117.34	90.67	94.69	112.25	79.00	86.50	111.39	70.62	81.22
1991-92.....	94.58	97.75	85.54	91.34	93.32	79.20	87.30	87.65	73.43
1992-93.....	90.39	109.26	95.50	83.01	108.72	89.68	80.20	101.10	84.28
1993-94.....	87.50	100.75	88.79	83.95	98.16	82.30	78.07	92.91	75.47
1994-95.....	134.61	103.33	118.45	137.64	104.82	115.88	118.23	95.99	103.19
1995-96.....	181.45	170.93	161.87	185.82	171.65	160.09	173.21	156.22	150.90
1996-97.....	156.12	153.52	136.52	150.14	150.23	130.76	142.25	139.15	119.73
1997-98.....	143.53	139.36	132.93	139.38	142.70	127.57	129.36	129.08	117.52

	Edmonton			Peace River/Grande Prairie			Vermilion
	Wheat	Oats	Barley	Wheat	Oats	Barley	Barley
	\$/tonne						
1988-89.....	146.48	147.55	111.59	135.73	148.28	111.12	108.66
1989-90.....	135.41	92.54	100.53	136.84	89.23	96.33	95.59
1990-91.....	111.88	70.46	80.91	111.34	71.33	83.94	80.87
1991-92.....	93.51	89.43	73.34	84.63	82.19	71.23	72.80
1992-93.....	85.49	101.51	83.36	82.00	99.91	78.73	81.33
1993-94.....	81.86	91.51	75.02	81.91	93.76	74.13	73.87
1994-95.....	125.31	88.00	100.83	117.49	75.41	87.71	97.37
1995-96.....	175.58	151.53	148.40	163.89	143.97	135.87	149.20
1996-97.....	137.62	125.75	118.23	127.23	112.88	108.78	117.42
1997-98.....	125.61	113.87	113.52	115.05	105.15	102.80	109.94

Source: Alberta Grain Commission

Table 90 Sugar Beet Industry, Alberta, 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998p
Contracted (acres).....	33,260	32,148	33,088	35,399	34,506	34,043	33,467	41,742
Planted (acres).....	33,013	31,351	32,504	34,944	33,913	33,784	33,327	41,250
Harvested (acres).....	32,779	31,127	32,432	34,836	33,656	33,463	33,126	41,132
Production (tons).....	634,987	475,823	542,253	737,774	688,498	676,611	650,423	959,310
Avg. Yield (tons/acre)...	19.37	15.29	16.72	21.17	20.46	20.22	19.71	23.32
Market Price								
Beets (\$/tonne).....	\$32.10	\$38.19	\$38.83	\$43.02	\$43.70	\$42.13	\$48.30	-
Sugar Content % (1)...	17.89	17.97	18.06	18.09	18.10	18.51	18.98	-
Sugar Bought								
(kg/tonne).....	128.1	142.6	134.3	138.7	136.5	142.8	146.6	-
Sugar Produced								
(kg/acre).....	2,481	2,180	2,245	2,937	2,796	2,887	2,878	-

(1) Factory sugar content (%).

Source: Alberta Sugar Beet Growers Marketing Board

Table 91 Major Commercial Vegetable Production, Alberta, 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998p
Area Harvested (acres)								
Beans.....	562	447	711	802	787	885	850	800
Cabbage.....	475	581	685	658	750	618	409	475
Carrots.....	686	858	1,568	936	1,280	x	1,250	1,370
Corn, Fresh.....	3,428	2,326	3,281	3,931	4,940	4,885	x	4,300
Cucumbers.....	230	163	194	220	228	215	130	90
Onions, Dry.....	216	285	311	319	357	360	380	x
Peas.....	3,263	3,198	3,055	3,386	3,180	3,000	2,800	2,350
Total Area.....	8,452	7,551	9,270	10,252	11,522	9,963	5,819	9,385
Production (tonnes)								
Beans.....	1,186	1,001	1,091	1,538	1,620	1,107	x	1,450
Cabbage.....	4,507	4,456	5,308	4,929	6,634	4,854	7,394	9,825
Carrots.....	6,467	6,608	8,633	7,561	12,923	x	14,003	12,893
Corn, Fresh.....	15,548	6,165	10,838	24,110	24,278	23,995	x	19,504
Cucumbers.....	815	442	361	647	507	320	354	476
Onions, Dry.....	2,703	2,693	2,150	2,408	1,538	2,613	3,286	x
Peas.....	5,575	4,278	5,164	5,420	4,458	4,536	3,470	2,980
Total Area.....	36,605	25,485	33,901	45,075	51,958	37,425	28,507	47,128
Value (\$'000)								
Beans.....	711	764	727	708	-	395	x	600
Cabbage.....	1,336	1,442	1,730	1,426	2,194	1,700	1,730	2,100
Carrots.....	2,979	3,108	3,736	3,200	6,646	x	6,640	5,310
Corn, Fresh.....	2,389	1,305	1,625	3,384	4,136	3,120	x	2,400
Cucumbers.....	952	549	621	616	559	540	405	495
Onions, Dry.....	901	1,126	1,275	919	848	1,440	1,600	x
Peas.....	3,590	3,668	3,076	2,759	2,458	2,435	1,640	1,410
Total Area.....	12,633	11,597	12,885	12,304	16,841	9,630	12,015	12,315

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 92 Alberta Forage Seed Crops Inspected for Pedigree Status, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	acres									
Alfalfa.....	13,376	12,648	12,199	14,418	13,369	13,116	12,851	10,355	10,376	12,069
Alsike Clover.....	1,384	1,162	1,005	3,176	3,353	4,061	3,937	2,186	2,045	1,470
Altai Wild Ryegrass.....	198	112	77	117	67	64	92	82	120	1,034
Birdsfoot Trefoil.....	350	90	351	157	238	273	305	150	246	135
Bromegrass.....	8,995	4,623	3,223	3,648	5,674	6,873	6,274	5,617	4,719	4,110
Cicer Milkvech.....	127	213	183	182	197	189	205	256	183	153
Creeping Red Fescue.....	21,971	17,892	12,101	11,445	16,809	19,491	12,220	9,023	13,106	12,825
Crested Wheatgrass.....	3,720	2,877	2,312	1,796	3,040	3,526	3,662	3,715	5,081	6,637
Orchardgrass.....	55	129	85	295	333	468	348	233	519	460
Red Clover (Single Cut).....	96	590	1,065	1,079	885	705	846	180	472	740
Reed Canarygrass.....	312	0	0	0	0	0	3	8	0	0
Sainfoin.....	0	7	128	0	0	0	0	0	0	1
Timothy.....	12,833	9,672	12,728	12,447	12,247	18,457	14,613	11,669	11,567	12,015
Meadow Bromegrass.....	-	806	367	1,226	2,095	3,600	3,949	3,645	2,317	1,423
Meadow Fescue.....	-	-	1,130	1,380	1,185	1,402	2,605	2,891	4,067	3,427

Source: Canadian Seed Growers Association

Table 93 Alberta Commercial/Pedigree Forage Seed Production, 1993-1997

	1993	1994	1995	1996	1997
	tonnes				
Alfalfa.....	680	3,080	2,400	2,400	2,700
Alsike Clover.....	2,120	1,330	-	-	-
Bromegrass.....	1,000	900	1,200	1,359	1,100
Creeping Red Fescue.....	8,030	11,530	8,850	18,950	13,200
Crested Wheatgrass.....	-	230	-	-	-
Red Clover (Single Cut).....	1,700	2,400	1,650	-	-
Timothy.....	1,200	2,080	2,350	1,796	1,250

Source: Specialty Crop Survey, Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 94 Alberta Pedigreed Acres, 1989-1998

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	acres									
Wheat.....	78,518	70,942	53,073	56,866	65,474	56,541	61,858	66,500	74,028	70,503
Oats.....	15,733	17,927	9,658	9,039	10,708	10,185	5,282	7,723	7,396	9,180
Barley.....	59,107	69,684	76,722	64,964	65,860	71,176	77,737	82,199	68,152	70,934
Other Cereals.....	1,567	3,518	1,309	1,574	1,686	3,290	2,894	1,685	3,572	5,260
Flax.....	3,586	4,295	2,821	1,089	1,686	2,587	3,719	2,009	2,510	3,220
Oilseeds.....	30,150	32,550	29,088	21,891	26,696	45,457	59,909	32,742	31,524	40,165
Special Crops.....	2,216	4,019	5,090	6,502	12,453	30,425	31,689	15,340	21,831	26,702

Source: Canadian Seed Growers Association

Table 95 Municipal Co-Operative Seed Cleaning in Alberta, 1991-92 to 1997-98

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
	bushels						
Total Seed.....	24,770,963	23,218,050	22,529,701	24,643,363	28,023,091	25,608,222	25,531,164
Commercial Seed.....	22,508,831	21,623,786	19,742,350	21,670,246	24,986,334	21,564,098	22,367,697
Pedigree Seed.....	2,262,132	1,594,264	2,787,351	2,973,117	3,036,757	4,044,124	3,163,467
Dockage Removed.....	3,514,390	2,455,357	2,943,065	5,926,158	4,114,327	4,757,417	5,574,450
Cleaning							
Total.....	28,285,353	25,673,407	25,472,766	30,569,521	32,137,418	30,365,639	31,105,614
Per Plant Average.....	362,633	329,146	330,815	382,119	412,018	384,375	398,790
Treated Seed.....	2,909,648	2,550,252	2,480,204	2,439,725	3,012,732	2,774,323	2,635,285

Source: Association of Alberta Co-Op Seed Cleaning Plants Ltd.

Table 96 Processed Alfalfa Production in Alberta (1), 1991-92 to 1997-98

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
	tonnes						
Total Exports.....	384,000	229,489	312,559	331,014	400,828	272,961	200,962
Production.....	419,000	406,000	372,000	483,000	422,000	414,000	329,317
Value F.O.B. Plant (\$'000).....	\$44,100	\$35,060	\$44,921	\$53,230	\$52,750	\$49,680	\$45,005

(1) Crop Year: June 1 to May 31.

Source: Statistics and Data Development Unit of Alberta Agriculture, Food and Rural Development

Table 97 Stocks of Grain on Alberta Farms at July 31, 1966-1998

	Wheat	Oats	Barley	Rye	Flaxseed	Canola
	'000 tonnes					
1966.....	626	386	435	25	10	-
1967.....	1,089	463	675	18	10	9
1968.....	1,415	339	631	20	3	18
1969.....	2,313	447	1,393	25	5	4
1970.....	2,722	555	1,676	36	5	2
1971.....	1,851	478	631	46	53	2
1972.....	1,034	370	653	51	18	79
1973.....	544	339	827	18	3	2
1974.....	408	278	566	25	5	16
1975.....	354	231	479	36	13	34
1976.....	299	262	544	41	13	136
1977.....	1,334	308	631	25	5	11
1978.....	599	386	1,350	25	3	14
1979.....	1,361	355	1,393	97	5	91
1980.....	680	232	500	56	2	120
1981.....	355	230	610	20	10	170
1982.....	1,010	230	1,070	38	3	34
1983.....	500	350	1,560	60	8	15
1984.....	480	200	570	30	3	3
1985.....	260	180	450	35	7	40
1986.....	200	170	400	35	2	85
1987.....	950	430	700	60	10	70
1988.....	550	300	1,200	60	5	60
1989.....	220	250	600	25	5	200
1990.....	250	400	530	50	0	110
1991.....	320	350	750	25	25	50
1992.....	750	200	850	10	30	120
1993.....	900	220	850	10	5	30
1994.....	1,195	390	1,050	10	0	20
1995.....	215	300	600	15	0	70
1996.....	320	150	475	5	10	160
1997.....	700	250	950	5	5	70
1998p.....	315	250	800	5	0	40

Source: Statistics Canada Cat. No. 22-002, "Field Crop Reporting Series"

Fig. 38 Stocks of Alberta Wheat and Barley at July 31, 1989-1998

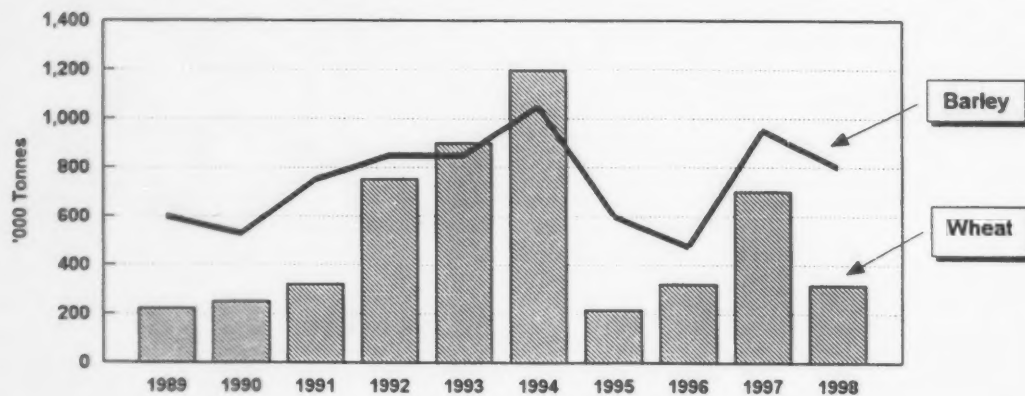


Table 98 Farm Supply and Disposition of Alberta Principal Field Crops, 1989-90 to 1997-98

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
All Wheat ('000 tonnes)									
Opening Stocks Aug. 1..	220.0	245.0	320.0	750.0	850.0	1,195.0	215.0	320.0	600.0
Production.....	6,457.4	6,994.8	7,772.7	6,327.6	7,620.2	5,592.7	7,266.5	7,789.1	6,839.3
Total Supply.....	6,677.4	7,239.8	8,092.7	7,077.6	8,470.2	6,787.7	7,481.5	8,109.1	7,439.3
Marketings.....	5,441.1	5,969.2	6,457.9	5,277.1	6,014.1	5,316.3	5,899.2	6,263.5	5,659.0
Seed.....	305.5	306.0	316.2	290.6	243.3	264.4	288.8	264.3	267.7
Carryover.....	245.0	320.0	750.0	850.0	1,195.0	215.0	320.0	600.0	315.0
Feed/Waste/Dockage*...	685.8	644.6	568.6	659.9	1,017.8	992.0	973.5	981.3	1,197.6
Total Disposition.....	6,677.4	7,239.8	8,092.7	7,077.6	8,470.2	6,787.7	7,481.5	8,109.1	7,439.3
Barley ('000 tonnes)									
Opening Stocks Aug. 1..	600.0	550.0	750.0	850.0	850.0	1,050.0	600.0	475.0	900.0
Production.....	5,726.2	6,248.7	5,878.6	4,855.3	6,314.0	5,464.9	6,335.8	7,076.0	6,270.5
Total Supply.....	6,326.2	6,798.7	6,628.6	5,705.3	7,164.0	6,514.9	6,935.8	7,551.0	7,170.5
Marketings.....	2,732.3	2,851.8	2,438.9	2,050.3	2,854.9	2,565.2	2,795.4	2,865.1	2,079.0
Seed.....	184.5	183.0	162.5	172.7	165.9	174.4	196.4	189.6	176.1
Carryover.....	550.0	750.0	850.0	850.0	1,050.0	600.0	475.0	900.0	800.0
Feed/Waste/Dockage*...	2,859.4	3,013.9	3,177.2	2,632.3	3,093.2	3,175.3	3,469.0	3,596.3	4,115.5
Total Disposition.....	6,326.2	6,798.7	6,628.6	5,705.3	7,164.0	6,514.9	6,935.8	7,551.0	7,170.5
Oats ('000 tonnes)									
Opening Stocks Aug. 1..	250.0	400.0	350.0	200.0	220.0	390.0	300.0	150.0	250.0
Production.....	1,480.5	1,110.4	786.5	1,036.4	1,465.1	1,187.5	771.1	1,079.5	979.3
Total Supply.....	1,730.5	1,510.4	1,136.5	1,236.4	1,685.1	1,577.5	1,071.1	1,229.5	1,229.3
Marketings.....	510.7	344.3	314.6	447.1	614.0	622.3	549.3	515.5	435.4
Seed.....	51.1	41.1	54.3	51.1	47.9	38.4	44.7	44.7	43.1
Carryover.....	400.0	350.0	200.0	220.0	390.0	300.0	150.0	250.0	250.0
Feed/Waste/Dockage*...	768.7	775.0	567.6	518.2	633.2	616.8	327.0	419.3	500.7
Total Disposition.....	1,730.5	1,510.4	1,136.5	1,236.4	1,685.1	1,577.5	1,071.0	1,229.5	1,229.3
Canola ('000 tonnes)									
Opening Stocks Aug. 1..	190.0	100.0	50.0	120.0	30.0	20.0	70.0	200.0	90.0
Production.....	1,406.1	1,281.4	1,621.6	1,349.4	2,154.6	2,472.1	2,449.4	1,701.0	2,109.2
Total Supply.....	1,596.1	1,381.4	1,671.6	1,469.4	2,184.6	2,492.1	2,519.4	1,901.0	2,199.2
Marketings.....	1,328.1	1,206.6	1,409.6	1,337.0	2,012.6	2,246.5	2,190.7	1,757.7	2,146.5
Seed.....	7.1	8.7	8.3	10.5	14.6	13.0	9.2	11.7	12.7
Carryover.....	100.0	50.0	120.0	30.0	20.0	70.0	160.0	90.0	40.0
Feed/Waste/Dockage*...	160.9	116.1	133.7	91.9	137.4	162.6	159.5	41.6	0.0
Total Disposition.....	1,596.1	1,381.4	1,671.6	1,469.4	2,184.6	2,492.1	2,519.4	1,901.0	2,199.2

* Feed/Waste/Dockage is calculated as a residual.

Source: Agriculture Division, Statistics Canada

Table 99 Precipitation Recorded at Selected Alberta Stations (1), 1993-1998

	Normal (1)	1993	1994	1995	1996	1997	1998
Millimetres (April to October)							
Medicine Hat.....	247.9	356.8	442.5	199.2	256.3	157.0	402.3
Lethbridge.....	301.7	346.5	574.8	282.1	240.6	230.1	384.2
Pincher Creek.....	373.3	552.9	614.2	277.7	367.2	-	643.9
Calgary.....	336.9	428.4	399.4	307.7	259.4	389.7	522.0
Red Deer.....	385.4	319.1	365.0	470.0	367.3	357.5	-
Lloydminster.....	352.5	216.1	303.8	299.3	379.1	338.8	272.1
Vegreville.....	435.6	211.5	317.7	402.6	480.2	-	287.0
Edmonton Intl. Airport..	376.1	264.8	329.2	466.3	536.1	469.3	470.1
Whitecourt.....	455.9	380.2	389.2	416.0	589.1	-	-
Cold Lake.....	340.6	282.1	417.6	330.3	385.5	425.4	426.0
Fort McMurray.....	361.3	332.4	342.7	237.4	478.9	389.5	265.5
Grande Prairie.....	322.9	275.3	369.1	420.3	342.1	396.9	346.6
Peace River.....	287.8	270.9	341.3	309.6	425.0	448.1	210.3
High Level.....	307.9	251.7	292.4	199.0	237.6	417.2	299.9
% of Normal							
Medicine Hat.....		143.9	178.5	80.4	103.4	63.3	162.3
Lethbridge.....		114.8	190.5	93.5	79.7	76.3	127.3
Pincher Creek.....		148.1	164.5	74.4	98.4	-	172.5
Calgary.....		127.2	118.6	91.3	77.0	115.7	154.9
Red Deer.....		82.8	94.7	122.0	95.3	92.8	-
Lloydminster.....		61.3	86.2	84.9	107.5	96.1	77.2
Vegreville.....		48.6	72.9	92.4	110.2	-	65.9
Edmonton Intl. Airport..		70.4	87.5	124.0	142.5	124.8	125.0
Whitecourt.....		83.4	85.4	91.2	129.2	-	-
Cold Lake.....		82.8	122.6	97.0	113.2	124.9	125.1
Fort McMurray.....		92.0	94.9	65.7	132.5	107.8	73.5
Grande Prairie.....		85.3	114.3	130.2	105.9	122.9	107.3
Peace River.....		94.1	118.6	107.6	147.7	155.7	73.1
High Level.....		81.7	95.0	64.6	77.2	135.5	97.4

(1) Normal refers to 1951-1980 long-term average.

Source: Conservation and Development Branch of Alberta Agriculture, Food and Rural Development; and Environment Canada

Table 100 Irrigated Crop Area in Alberta, 1992-1998

	1992	1993	1994	1995	1996	1997	1998
Acres							
Grains (1).....	480,305	335,868	358,310	330,688	522,859	476,397	447,373
Oilseeds (2).....	60,248	66,696	110,407	105,777	72,183	106,986	127,823
Hay (3).....	281,951	227,740	256,965	232,185	222,887	220,458	266,914
Tame Pasture.....	84,228	77,062	100,907	101,043	127,066	115,178	115,941
Other Fodder (4).....	55,556	60,223	100,042	80,057	101,094	132,091	155,191
Sugar Beets.....	32,167	30,200	36,408	33,968	33,917	32,038	41,393
Potatoes.....	17,675	19,926	23,080	20,818	21,420	20,783	23,879
Peas.....	12,155	10,386	14,195	14,164	10,887	13,142	12,220
Forage Seed.....	9,444	10,800	12,351	13,846	11,588	10,035	12,510
Other (5).....	52,153	40,923	53,633	49,992	44,270	49,970	69,026
Total Crops.....	1,085,882	879,824	1,066,298	982,538	1,168,171	1,177,078	1,272,270
Summerfallow.....	4,029	935	3,222	2,585	1,032	2,632	12,577
Area Irrigated.....	1,089,911	880,759	1,069,520	985,123	1,169,203	1,179,710	1,284,847

Note: 1994 total irrigated crop area does not include crop information for five districts.

(1) Wheat, oats, barley, rye, triticale, mixed grain and corn.

(4) Greenfeed, cereal, corn and hay silage.

(2) Canola, flax, mustard, sunflower, etc.

(5) Beans, sweet corn and miscellaneous crops.

(3) Alfalfa, timothy and brome grass.

Source: Irrigation Branch of Alberta Agriculture, Food and Rural Development

Table 101 Irrigation in Alberta by District, 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998
Assessed Irrigable Acres (Permanent and Terminable)								
Aetna.....	3,527	3,519	3,519	3,519	3,519	3,519	3,519	3,548
Bow River.....	201,070	202,499	204,466	205,983	207,652	209,560	209,686	210,690
Eastern.....	263,889	269,462	270,008	272,024	273,848	276,405	279,966	280,573
Leavitt.....	4,762	4,800	4,780	4,780	4,780	4,760	4,760	4,760
Lethbridge (1).....	122,338	126,046	138,095	141,517	143,608	147,241	150,843	153,300
Magrath.....	16,665	16,391	16,775	16,785	17,908	18,169	18,300	18,300
Mountain View.....	3,728	3,734	3,737	3,727	3,727	3,727	3,713	3,722
Raymond.....	44,305	44,279	44,229	44,219	43,678	44,315	44,810	45,533
Ross Creek.....	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210
St. Mary's River.....	350,108	351,393	353,039	353,466	356,618	358,399	360,942	360,780
Taber.....	77,740	78,177	78,412	78,629	78,676	79,069	79,788	81,214
United.....	34,687	34,868	34,772	34,438	34,428	34,506	34,353	34,353
Western.....	88,112	87,949	87,453	86,725	86,942	87,258	85,983	86,864
Total.....	1,212,141	1,224,327	1,240,495	1,247,022	1,256,594	1,268,138	1,277,873	1,284,847
Acres Actually Irrigated								
Aetna.....	2,582	2,519	0	1,940	765	2,145	2,476	1,910
Bow River.....	182,932	182,543	184,463	187,247	192,328	196,055	197,905	198,197
Eastern.....	246,083	256,342	259,778	259,942	263,576	271,075	274,888	274,942
Leavitt.....	4,200	4,200	0	4,200	1,000	4,277	4,600	4,600
Lethbridge (1).....	130,989	131,305	67,565	133,803	100,589	143,152	145,061	127,751
Magrath.....	15,000	15,240	0	11,425	3,250	14,341	13,479	11,189
Mountain View.....	2,880	2,880	0	3,277	1,053	1,053	1,053	1,053
Raymond.....	32,847	36,788	0	36,291	16,473	39,662	39,484	32,264
Ross Creek.....	650	0	0	734	643	734	794	1,055
St. Mary's River.....	319,745	324,477	262,718	330,949	289,173	339,098	342,234	342,746
Taber.....	73,169	74,229	66,158	73,949	72,108	74,766	76,083	76,872
United.....	11,548	15,499	0	14,255	5,035	14,135	19,205	17,276
Western.....	48,300	43,889	40,007	47,335	39,130	68,710	62,448	70,178
Total.....	1,070,816	1,089,911	880,739	1,105,347	985,123	1,169,203	1,179,710	1,160,033

(1) Refers to Lethbridge Northern. Assessed Acres were less than Actually Irrigated Acres from 1988 to 1993 because "Restricted Acres" were not included in Assessed Acres.

Source: Irrigation Branch of Alberta Agriculture, Food and Rural Development

Table 102 Alberta Hail and Crop Insurance, 1991-1998

	1991	1992	1993	1994	1995	1996	1997	1998
Number of Contracts Insured (1).....	24,757	24,154	23,268	19,904	16,141	14,290	15,437	15,441
Acres Insured ('000).....	11,514	11,520	10,980	9,067	8,315	7,311	8,493	9,469
Premiums (\$'000) (2).....	76,047	80,948	91,312	83,509	86,507	87,867	99,570	105,092
Liability (\$'000).....	734,478	772,353	827,123	620,872	675,701	784,153	895,068	968,163
Indemnities (\$'000).....	33,762	142,330	30,259	22,189	31,279	33,537	51,111	61,100

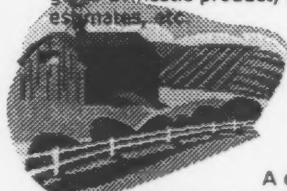
Note: This table only includes the basic crop insurance program. It does not include the Hail Endorsement, Straight Hail Insurance, Forage Insurance, the Revenue Protection Program, the Wildlife and Waterfowl Compensation Program or the Farm Income Disaster Program.

Source: Agriculture Financial Services Corporation, Insurance Division

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Statistics Canada conducts the Census of Agriculture and the Census of Population every five years - the latest census was on May 14, 1996. The Census of Agriculture is the most comprehensive source of uniform information available on agricultural production and farm operator characteristics. Data are produced at the municipality level (counties, municipal districts, etc.), census division level, provincial level and national level.

The Census of Agriculture collects data on farms, farm operators, land use, crops, livestock, paid agricultural labour, land management practices, farm expenses, off-farm work, types of injuries suffered on the farm, etc. The information gathered is used extensively by various government agencies and departments, consultants, agri-businesses, farm organizations and individuals in planning for the future. Government policy makers use the data for planning rural development programs and agricultural research. Farm organizations find census data invaluable in developing and evaluating programs and policies that affect farmers and their families. Farm commodity and trade associations and agri-businesses use census data to aid in starting up new plants and distribution centers, allocating research funds, forecasting markets and making advertising and other marketing decisions that ultimately support farmers. Planners and analysts use data to provide benchmarks for current statistical series such as gross domestic product, farm income accounts, livestock and crop inventory estimates, etc.



A census farm is an agricultural operation producing at least one of the following products intended for sale (no minimal sales requirement): crops (field crops, tree fruits or nuts, berries or grapes, vegetables, seed); livestock (cattle, hogs, sheep, horses, exotic animals); poultry (hens, chickens, turkeys, exotic birds); animal products (milk, cream, eggs, wool, furs, meats); or other agricultural products (greenhouse or nursery products, Christmas trees, mushrooms, sod, honey and maple syrup).

Farm operations producing only Christmas trees were included for the first time in the 1996 Census. Farms which produced Christmas trees along with other agricultural products were included in censuses prior to 1996 even though there were no specific questions on Christmas tree production or area.

The number of farms in Alberta in 1996 totalled 59,007 (includes Christmas tree farms). Farms excluding Christmas tree farms totalled 58,990 farms (a difference of 17 farms).

Table 103 Farm and Land Variables, Canada and Provinces, 1986-1996

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
Total Number of Farms (1)											
1986....	651	2,833	4,283	3,554	41,448	72,713	27,336	63,431	57,777	19,063	293,089
1991....	725	2,361	3,980	3,252	38,076	68,633	25,706	60,840	57,245	19,225	280,043
1996....	742	2,217	4,453	3,405	35,991	67,520	24,383	56,995	59,007	21,835	276,548
% Change											
'91/'86	11.4	-16.7	-7.1	-8.5	-8.1	-5.6	-6.0	-4.1	-0.9	0.8	-4.5
'96/'91	2.3	-6.1	11.9	4.7	-5.5	-1.6	-5.1	-6.3	3.1	13.6	-1.2
% Share of Canada											
1986....	0.2	1.0	1.5	1.2	14.1	24.8	9.3	21.6	19.7	6.5	100.0
1991....	0.3	0.8	1.4	1.2	13.6	24.5	9.2	21.7	20.4	6.9	100.0
1996....	0.3	0.8	1.6	1.2	13.0	24.4	8.8	20.6	21.3	7.9	100.0
Total Land Area of Farms (acres)											
1986....	90,345	673,196	1,029,211	1,010,396	8,991,673	13,953,009	19,126,517	65,728,443	51,040,463	5,957,860	167,601,113
1991....	117,011	639,693	981,086	928,205	8,474,751	13,470,653	19,088,868	66,386,074	51,425,111	5,911,605	167,423,057
1996....	108,320	655,365	1,055,941	953,873	8,540,488	13,879,565	19,106,531	65,653,588	51,964,360	6,249,444	168,167,475
% Change											
'91/'86	29.5	-5.0	-4.7	-8.1	-5.7	-3.5	-0.2	1.0	0.8	-0.8	-0.1
'96/'91	-7.4	2.4	7.6	2.8	0.8	3.0	0.1	-1.1	1.0	5.7	0.4
% Share of Canada											
1986....	0.1	0.4	0.6	0.6	5.4	8.3	11.4	39.2	30.5	3.6	100.0
1991....	0.1	0.4	0.6	0.6	5.1	8.0	11.4	39.7	30.7	3.5	100.0
1996....	0.1	0.4	0.6	0.6	5.1	8.3	11.4	39.0	30.9	3.7	100.0
Average Farm Size (acres)											
1986....	139	238	240	284	217	192	700	1,036	883	313	572
1991....	161	271	247	285	223	196	743	1,091	898	307	598
1996....	146	296	237	280	237	206	784	1,152	881	286	608
Number of 'Large Farms' (1,120 acres or more)											
1986....	10	40	65	81	235	610	4,882	20,433	12,356	999	39,711
1991....	14	59	69	68	310	727	5,139	21,243	12,605	1,045	41,279
1996....	12	77	85	92	418	967	5,424	21,399	12,513	1,071	42,058
% Change											
'91/'86	40.0	47.5	6.2	-16.0	31.9	19.2	5.3	4.0	2.0	4.6	3.9
'96/'91	-14.3	30.5	23.2	35.3	34.8	33.0	5.5	0.7	-0.7	2.5	1.9
'Large Farms' as a % of Total Number of Farms											
1986....	1.5	1.4	1.5	2.3	0.6	0.8	17.9	32.2	21.4	5.2	13.5
1991....	1.9	2.5	1.7	2.1	0.8	1.1	20.0	34.9	22.0	5.4	14.7
1996....	1.6	3.5	1.9	2.7	1.2	1.4	22.2	37.5	21.2	4.9	15.2
Total Land in Crops (acres)											
1986....	12,049	386,715	270,609	319,940	4,310,496	8,544,820	11,167,521	32,928,799	22,641,092	1,410,584	81,992,625
1991....	15,503	380,796	262,503	302,079	4,048,706	8,430,414	11,764,813	33,257,706	22,961,142	1,375,873	82,799,535
1996....	17,742	420,971	277,658	333,611	4,296,697	8,759,707	11,611,844	35,579,845	23,590,033	1,397,970	86,286,078
% Change											
'91/'86	28.7	-1.5	-3.0	-5.6	-6.1	-1.3	5.3	1.0	1.4	-2.5	1.0
'96/'91	14.4	10.6	5.8	10.4	6.1	3.9	-1.3	7.0	2.7	1.6	4.2
% Share of Canada											
1986....	0.01	0.5	0.3	0.4	5.3	10.4	13.6	40.2	27.6	1.7	100.0
1991....	0.02	0.5	0.3	0.4	4.9	10.2	14.2	40.2	27.7	1.7	100.0
1996....	0.02	0.5	0.3	0.4	5.0	10.2	13.5	41.2	27.3	1.6	100.0

Source: Statistics Canada, Census of Agriculture

See footnotes at end of tables.

IMPORTANT NOTE CONCERNING THE FOLLOWING PAGES

**THE PAGES WHICH FOLLOW HAVE BEEN FILMED
TWICE IN ORDER TO OBTAIN THE BEST
REPRODUCTIVE QUALITY**

**USERS SHOULD CONSULT ALL THE PAGES
REPRODUCED ON THE FICHE IN ORDER TO OBTAIN
A COMPLETE READING OF THE TEXT.**

REMARQUE IMPORTANTE CONCERNANT LES PAGES QUI SUIVENT

**LES PAGES SUIVANTES ONT ÉTÉ REPRODUITES EN
DOUBLE AFIN D'AMÉLIORER LA QUALITÉ DE
REPRODUCTION**

**LES UTILISATEURS DOIVENT CONSULTER TOUTES
LES PAGES REPRODUITES SUR LA FICHE AFIN
D'OBTENIR LA LECTURE DU TEXTE INTÉGRAL**

Fig. 39 Number of Farms in Alberta and Average Farm Size, 1941-1996

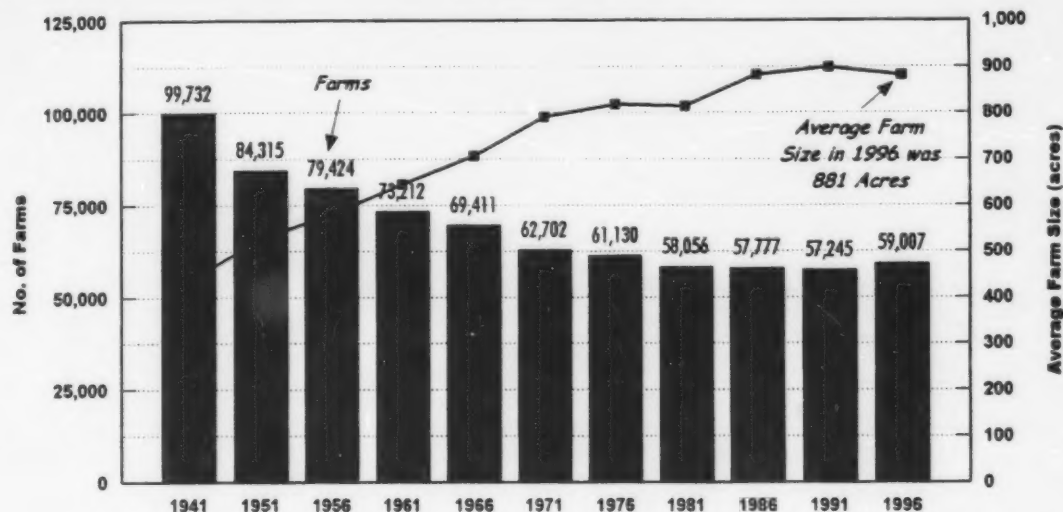
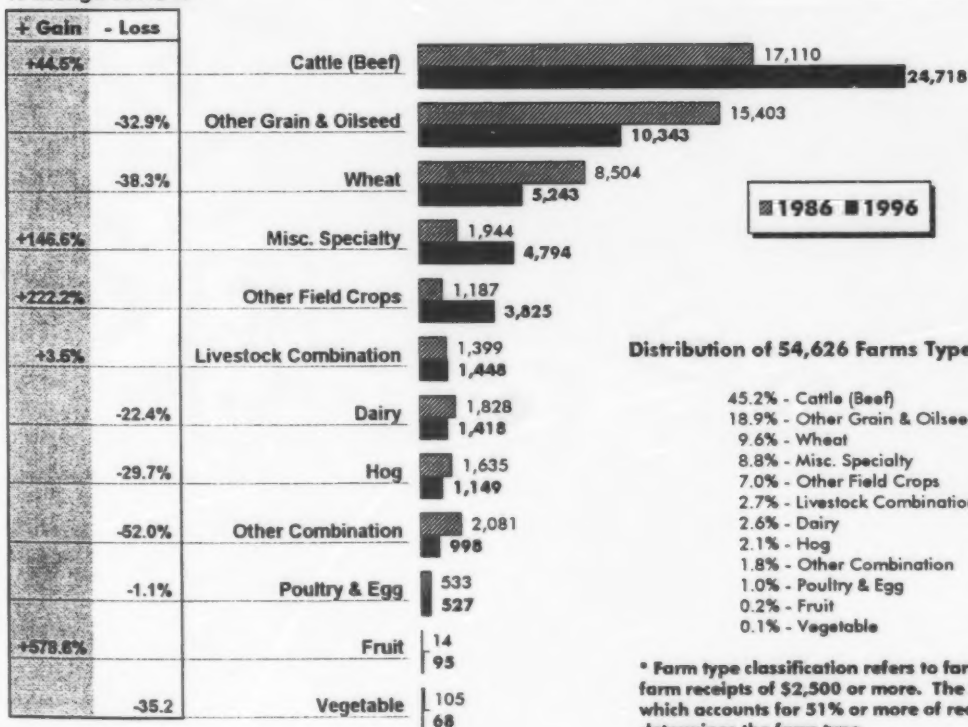


Fig. 40 Ten-Year Comparison of Alberta Farms by Type, 1986 and 1996

% Change 1996/86



* Farm type classification refers to farms with gross farm receipts of \$2,500 or more. The commodity which accounts for 51% or more of receipts determines the farm type.

Fig. 39 Number of Farms in Alberta and Average Farm Size, 1941-1996

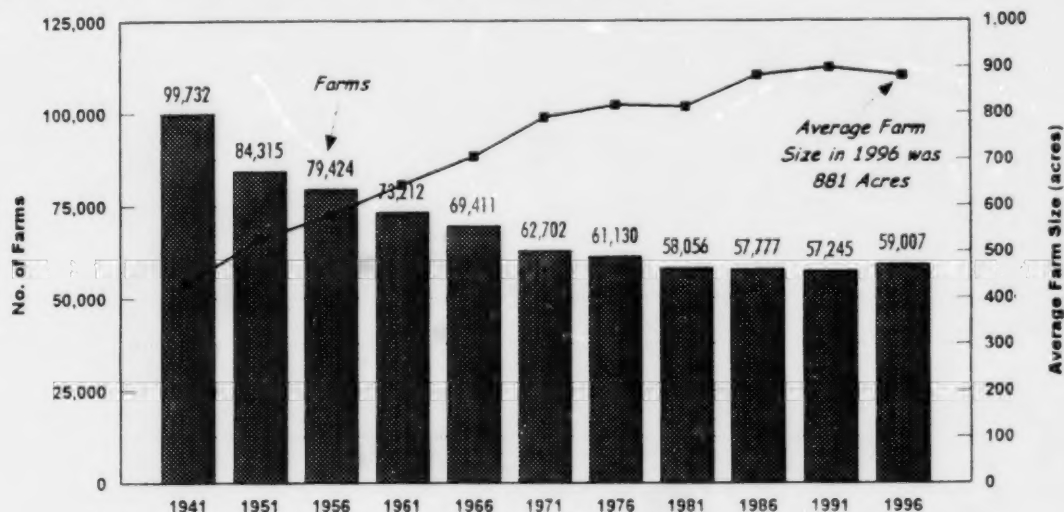
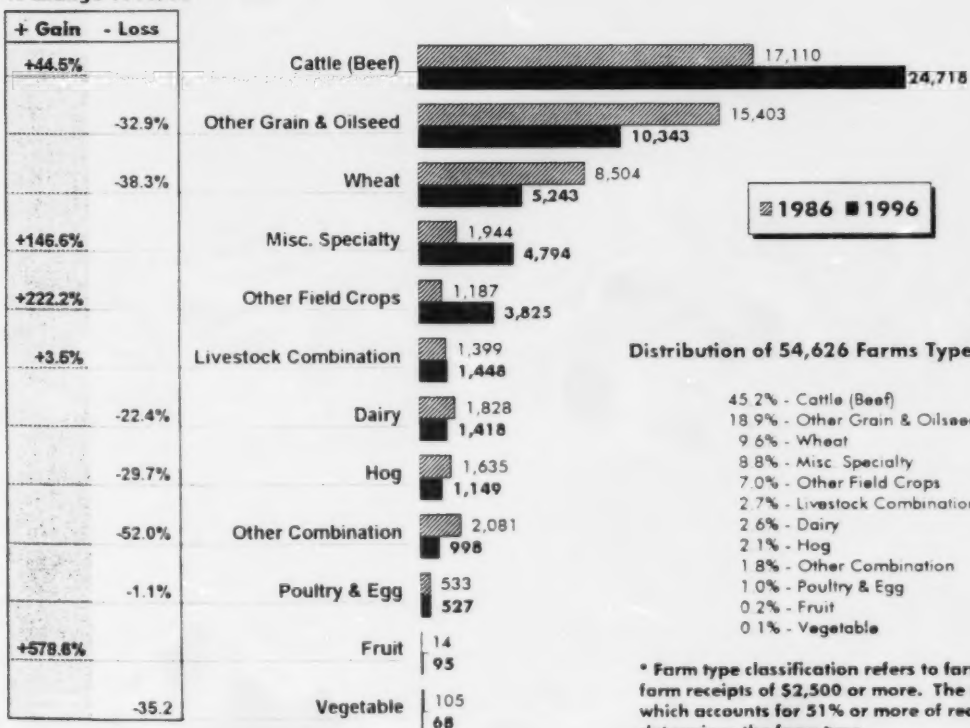


Fig. 40 Ten-Year Comparison of Alberta Farms by Type, 1986 and 1996

% Change 1996/86



Distribution of 54,626 Farms Typed in 1996*

- 45.2% - Cattle (Beef)
- 18.9% - Other Grain & Oilseed
- 9.6% - Wheat
- 8.8% - Misc. Specialty
- 7.0% - Other Field Crops
- 2.7% - Livestock Combination
- 2.6% - Dairy
- 2.1% - Hog
- 1.8% - Other Combination
- 1.0% - Poultry & Egg
- 0.2% - Fruit
- 0.1% - Vegetable

* Farm type classification refers to farms with gross farm receipts of \$2,500 or more. The commodity which accounts for 51% or more of receipts determines the farm type.

Table 104 Alberta Farm Operators, 1996

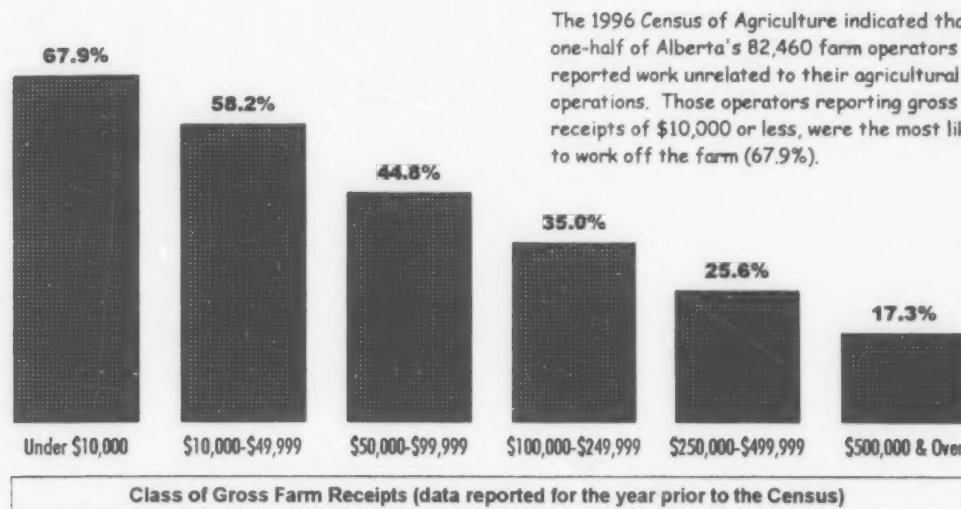
	Total Farms	Farms With One Operator	Farms With Two or More Operators
Number of Census Farms.....	59,005	36,315	22,690
Operating Arrangements			
Sole Proprietorship.....	35,940	29,575	6,365
Partnership.....	16,670	3,565	13,105
Corporation.....	6,210	3,000	3,210
Other.....	190	180	10
Average Farm Cash Receipts.....	\$134,071	\$130,390	\$139,964
<i>Note: Farm operators are responsible for the day-to-day management decisions made in the operation of a census farm. "Operators", "farm operators" and "farmers" can be used interchangeably.</i>			
	Total Operators	Operators of Farms With One Operator	Operators of Farms With Two or More Operators
Total Number of Farm Operators.....	82,455	35,435	47,020
Male.....	60,585	33,110	27,470
Female.....	21,870	2,320	19,550
Age of Farm Operators			
Under 35 Years.....	13,485	4,830	8,650
35-54 Years.....	42,315	17,055	25,265
55 Years and Over.....	26,655	13,550	13,105
Average Age of Farm Operators			
- in 1991.....	47.3	48.9	46.0
- in 1996.....	48.2	50.2	46.7
Size of Farm			
Under 10 Acres.....	2,125	845	1,275
10-69 Acres.....	6,370	2,490	3,885
70-239 Acres.....	20,100	8,970	11,130
240-559 Acres.....	18,965	8,885	10,075
560-1,599 Acres.....	23,195	10,240	12,955
1,600 Acres and Over.....	11,705	4,005	7,695
Off-Farm Work Done (Response "No" or "Yes")*			
No - in 1990.....	48,775	20,930	27,845
No - in 1995.....	41,540	18,390	23,150
Yes - in 1990.....	32,645	13,360	19,285
Yes - in 1995.....	40,915	17,045	23,870
Paid Work in 1995 (not related to the agricultural operation)*			
None.....	56,230	24,940	31,295
Less Than 20 Hours Per Week.....	6,500	2,420	4,075
20-40 Hours Per Week.....	10,915	4,170	6,745
More Than 40 Hours Per Week.....	8,805	3,905	4,900
Number of Other Businesses Operated in 1995 (Other Than Farming)*			
None.....	67,765	28,890	38,875
One Business.....	13,960	6,235	7,725
Two or More Businesses.....	730	310	420
Types of Other Businesses Operated in 1995*			
Sales.....	2,980	1,190	1,785
Services.....	7,480	3,235	4,245
Construction.....	2,860	1,465	1,395
Manufacturing.....	845	365	480
Other.....	1,365	635	730
Farm Related Injuries in 1995 (Requiring Professional Medical Attention)*			
No.....	78,715	33,670	45,045
Yes.....	3,740	1,765	1,975

Note: Off-farm work consists of paid work not related to the agricultural operation done by operators, as well as businesses other than farms operated by farmers in 1995. For 1990, the number of operators performing off-farm work includes only those who reported one or more days of work off the holding for pay. This change in definition affects the comparability of 1990 and 1995 data.

* Data are for the previous calendar year (1990 or 1995)

Source: Statistics Canada, Census of Agriculture

Fig. 41 Percentage of Alberta Farm Operators Reporting Off-Farm Work (1) in 1996 by Gross Farm Receipts



(1) Off-farm work includes those operators who reported paid off-farm work or those who reported operating one or more businesses other than farming.

Fig. 42 Percentage of Alberta Farm Operators Reporting Off-Farm Work in 1996 by Farm Type

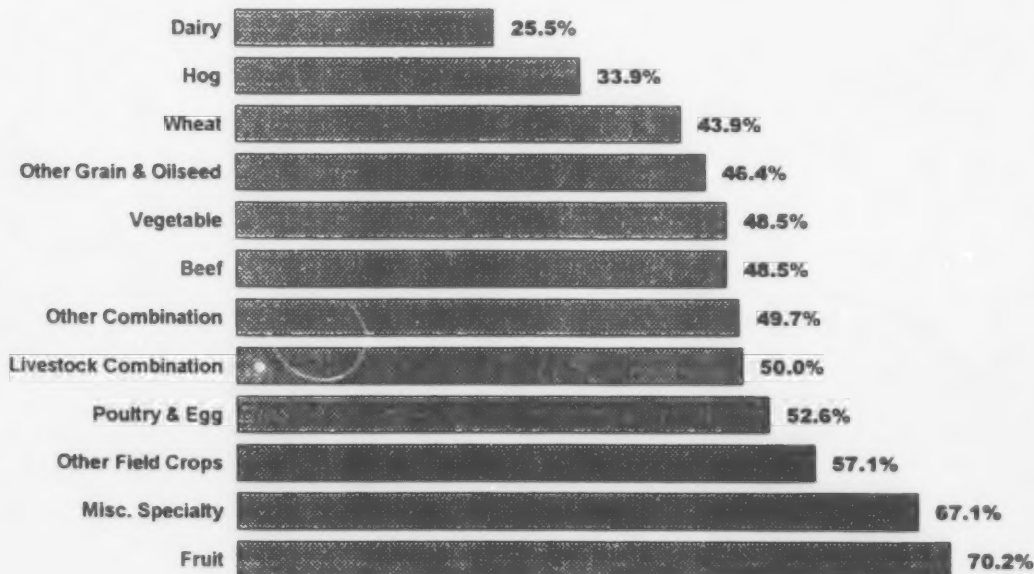


Table 105 Census of Agriculture Profile for Alberta, 1976-1996

	1976	1981	1986	1991	1996	% of Total	% Chg. 1996/91
Population of Alberta.....	1,838,036	2,237,724	2,365,830	2,545,555	2,696,826	100.0	5.9
Rural Population.....	458,870	510,179	488,070	514,660	554,011	20.5	7.6
% Change From Previous Census Year...	6.3	11.2	-4.3	5.4	7.6	-	-
Farm Population.....	219,305	195,284	183,835	176,935	188,510	7.0	6.5
% Change From Previous Census Year...	-7.8	-11.0	-5.9	-3.8	6.5	-	-
Urban Population.....	1,379,170	1,727,545	1,877,760	2,030,895	2,142,815	79.5	5.5
% Change From Previous Census Year...	15.3	25.3	8.7	8.2	5.5	-	-
Number of Census Farms (1).....	61,130	58,056	57,777	57,245	59,007	-	3.1
Average Farm Size (acres).....	817	813	883	898	881	-	-1.9
Distribution of Farms by Size (no.)							
3 - 9 acres.....	730	910	1,031	1,008	1,511	2.6	49.9
10 - 69 acres.....	3,548	3,352	3,365	3,420	4,458	7.6	30.4
70 - 239 acres.....	11,572	12,426	12,588	13,268	14,724	25.0	11.0
240 - 399 acres.....	10,877	9,383	8,726	8,536	8,420	14.3	-1.4
400 - 559 acres.....	7,947	6,844	6,267	5,911	5,594	9.5	-5.4
560 - 759 acres.....	7,269	6,404	6,103	5,672	5,363	9.1	-5.4
760 - 1,119 acres.....	8,172	7,600	7,341	6,825	6,424	10.9	-5.9
1,120 acres and over.....	11,015	11,137	12,356	12,605	12,513	21.2	-0.7
1,120 - 1,599 acres.....	5,038	4,978	5,164	5,188	4,845	8.2	-6.6
1,600 acres and over.....	5,977	6,159	7,192	7,417	7,668	13.0	3.4
Total No. of Farms.....	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Farms Reporting Gross Farm Receipts of \$2,500 or More by Type (no.) (2)							
Dairy.....	1,933	2,743	1,828	1,379	1,418	2.6	2.8
Cattle (Beef).....	19,505	16,098	17,110	22,143	24,718	45.2	11.6
Hog.....	1,176	1,402	1,635	1,653	1,149	2.1	-30.5
Poultry and Egg.....	307	622	533	412	527	1.0	27.9
Wheat.....	8,500	7,378	8,504	6,015	5,243	9.6	-12.8
Grain and Oilseed (except wheat).....	14,719	16,493	15,403	12,659	10,343	18.9	-18.3
Field Crops (except grain and oilseed).....	524	1,122	1,187	2,540	3,825	7.0	50.6
Fruit.....	-	5	14	62	95	0.2	53.2
Vegetable.....	-	70	105	80	68	0.1	-15.0
Miscellaneous Specialty.....	662	1,574	1,944	3,730	4,794	8.8	28.5
Livestock Combination.....	3,105	2,515	1,399	1,775	1,448	2.7	-18.4
Other Combinations.....	-	1,142	2,081	995	998	1.8	0.3
Total No. of Farms Classified.....	50,431	51,164	51,743	53,443	54,626	100.0	2.2
Use of Land (acres) (3)							
Total Area of Farms.....	49,928,771	47,218,170	51,040,463	51,425,111	51,964,360	100.0	1.0
Total Land in Crops.....	18,877,471	20,858,765	22,641,092	22,961,142	23,590,033	45.4	2.7
Summerfallow.....	6,494,462	5,449,831	5,255,965	4,377,212	3,550,265	6.8	-18.9
Tame or Seeded Pasture (4).....	3,277,655	3,907,830	3,402,183	4,305,760	4,731,087	9.1	9.9
All Other Land (5).....	21,279,183	17,001,799	19,741,223	19,780,997	20,092,975	38.7	1.6
Farm Land Classified by Tenure (acres)							
Total Area of Farms.....	49,928,771	47,218,170	51,040,463	51,425,111	51,964,360	100.0	1.0
Area Owned.....	32,098,368	30,663,075	29,785,690	30,467,667	31,344,893	60.3	2.9
% of Total Area of Farms.....	64.3	64.9	58.4	59.2	60.3	-	-
Area Rented or Leased From Others.....	17,830,403	16,555,090	21,254,773	20,957,444	20,619,467	39.7	-1.6
% of Total Area of Farms.....	35.7	35.1	41.6	40.8	39.7	-	-
Use of Selected Land Management Practices (acres) (6)							
Commercial Fertilizer.....	-	13,603,578	16,938,768	15,690,907	17,375,043	-	10.7
Herbicides.....	-	11,761,734	15,005,557	14,012,340	14,949,086	-	6.7
Insecticides or Fungicides.....	-	519,300	1,981,004	1,367,186	740,225	-	-45.9

(1) In 1996, a census farm was defined as an agricultural operation producing at least one of the following products intended for sale: crops (field crops, tree fruits or nuts, berries or grapes, vegetables, seed); livestock (cattle, hogs, sheep, horses, exotic animals); poultry (hens, chickens, turkeys, exotic birds); animal products (milk, cream, eggs, wool, furs, meats); or other agricultural products (greenhouse or nursery products, Christmas trees, mushrooms, sod, honey and maple syrup). Farm operations producing only Christmas trees were included for the first time in the 1996 Census. Farms which produced Christmas trees along with other agricultural products were included in censuses prior to 1996 even though there were no specific questions on Christmas tree production or area. The number of farms in 1996 totalled 59,007 (includes Christmas tree farms). Farms excluding Christmas tree farms totalled 58,990 farms (a difference of 17 farms).

Source: Statistics Canada, Census of Agriculture

See footnotes at end of tables.

Table 105 Census of Agriculture Profile for Alberta, 1976-1996 - Cont'd

	1976	1981	1986	1991	1996	% of Total	% Chg. 1996/91
Total Land in Crops (acres)	18,877,471	20,858,765	22,641,092	22,961,142	23,590,033	100.0	2.7
% Change From Previous Census Year	4.3	10.5	8.5	1.4	2.7	-	-
Selected Field Crops Grown (seeded acres)							
Grains	13,421,175	14,902,643	15,022,870	14,935,670	14,819,054	62.8	-0.8
Total Wheat	5,545,301	6,705,436	7,601,700	7,714,992	7,324,846	31.1	-5.1
Spring Wheat (excluding durum)	4,910,604	5,961,384	6,516,630	6,885,763	6,448,110	27.3	-6.4
Durum Wheat	369,337	506,002	638,807	745,179	781,627	3.3	4.9
Winter Wheat	265,360	238,050	446,263	84,050	95,109	0.4	13.2
Oats for Grain (15)	1,794,140	1,311,081	1,183,426	1,285,430	1,386,179	5.9	7.8
Barley (16)	5,630,002	6,432,958	5,892,677	5,404,324	5,775,824	24.5	6.9
Mixed Grains	267,655	145,436	122,398	360,757	226,374	1.0	-37.3
Corn for Grain	2,787	11,402	7,235	8,670	2,559	0.0	-70.5
Rye Total	180,539	292,999	213,601	161,253	102,865	0.4	-36.2
Fall Rye	156,860	241,416	168,709	126,007	80,701	0.3	-36.0
Spring Rye	23,679	51,583	44,892	35,246	22,164	0.1	-37.1
Buckwheat	751	3,331	1,833	244	407	0.0	66.8
Oilseeds	817,242	1,558,241	2,891,727	3,056,282	3,188,142	13.5	4.3
Canola	740,091	1,455,205	2,802,720	2,982,130	3,151,296	13.4	5.7
Flaxseed	73,281	102,345	84,572	70,506	34,082	0.1	-51.7
Soybeans	313	272	x	797	1,059	0.0	32.9
Sunflowers	3,557	419	4,435	2,849	1,705	0.0	-40.2
Hay and Fodder Crops (17)	4,508,861	4,229,075	4,330,864	4,357,124	4,765,965	20.2	9.4
Corn for Silage	26,122	24,937	21,769	20,768	12,800	0.1	-38.4
Total Tame Hay	3,849,647	3,480,670	3,734,112	4,256,445	4,753,165	20.1	11.7
Oats for Fodder	502,483	495,234	574,983	-	-	-	-
Other Fodder Crops	130,609	228,234	-	79,911	-	-	-
Other Field Crops	95,128	111,981	149,070	319,694	474,081	2.0	48.3
Potatoes	16,218	16,628	22,450	28,339	31,488	0.1	11.1
Mustard Seed	21,717	43,547	69,268	59,872	91,909	0.4	53.5
Sugar Beets	41,883	35,535	29,668	35,075	36,231	0.2	3.3
Dry Field Peas	7,480	7,409	14,630	167,056	286,037	1.2	71.2
Total Dry Field Beans	7,830	8,862	13,054	29,352	28,416	0.1	-3.2
Area of Vegetables Grown for Sale (excluding greenhouse vegetables)							
No of Farms Reporting	415	431	478	483	594	-	23.0
Area in Acres	10,709	9,963	8,895	11,536	13,743	-	19.1
Area of Greenhouse Products Grown for Sale (Area in Use)							
No of Farms Reporting	..	379	405	424	600	-	41.5
Area in Square Feet	..	4,183,125	5,588,402	5,744,516	7,959,527	-	38.6
Number of Livestock and Poultry on May 14, 1996							
Total Cattle and Calves (18)	4,614,372	4,192,887	3,827,143	4,756,365	5,942,257	100.0	24.9
Total Cows (19)	1,747,667	1,533,311	1,445,760	1,741,632	2,119,719	35.7	21.7
Dairy Cows	157,352	165,528	124,204	105,905	102,830	1.7	-2.9
Beef Cows	1,590,315	1,367,783	1,321,556	1,635,727	2,016,889	33.9	23.3
Total Heifers	632,865	631,732	571,158	733,665	952,563	16.0	29.8
Bulls - One Year and Over	88,241	89,514	78,996	95,525	118,600	2.0	24.2
Steers - One Year and Over	769,728	631,092	478,147	626,350	892,696	15.0	42.5
Calves - Under One Year	1,375,871	1,307,238	1,253,082	1,559,193	1,858,679	31.3	19.2
Other Livestock and Poultry							
Pigs	878,213	1,199,397	1,454,824	1,729,870	1,729,810	-	-0.0
Sheep and Lambs	189,258	201,294	179,123	305,642	259,817	-	-15.0
Horses and Ponies	-	118,708	135,025	109,237	149,960	-	37.3
Bison (Buffalo)	-	-	-	-	22,782	-	-
Deer and Elk	-	-	-	-	10,687	-	-
Llamas and Alpacas	-	-	-	-	3,692	-	-
Total Hens and Chickens	7,980,682	9,190,525	8,852,415	8,702,434	9,485,635	-	9.0
Total Turkeys	822,410	903,252	763,485	812,849	842,798	-	3.7

Source: Statistics Canada, Census of Agriculture

See footnotes at end of tables.

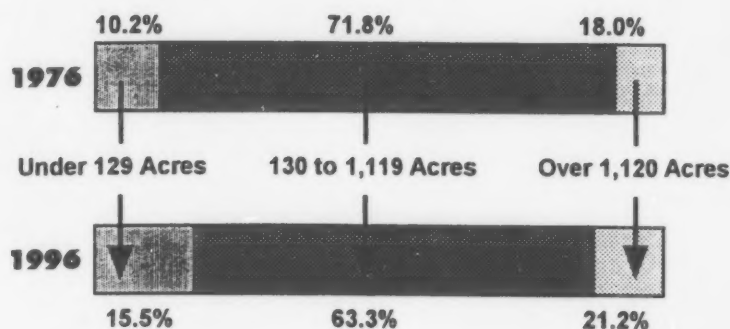
Table 105 Census of Agriculture Profile for Alberta, 1976-1996 - Cont'd

	1976	1981	1986	1991	1996*	% of Total	% Chg. 1996/91
Operating Arrangements of Farms (no.) (7)							
Individual or Family Farm	55,737	50,169	47,862	35,875	35,938	60.9	0.2
Total Partnership	2,120	5,169	6,448	16,742	16,672	28.3	-0.4
Partnership With a Written Agreement	2,120	1,446	1,654	2,455	2,664	4.5	8.5
Partnership With No Written Agreement	-	3,723	4,794	14,287	14,008	23.7	-2.0
Total Corporation	2,569	2,459	3,063	4,307	6,209	10.5	44.2
Family Corporation	2,595	2,269	2,864	3,663	5,248	8.9	43.3
Non-Family Corporation	374	190	199	644	961	1.6	49.2
Other Types	304	259	404	321	188	0.3	-41.4
Total No. of Farms	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Use of a Personal Computer for Farm Management							
No. of Farms Reporting Computer Use	-	-	1,739	7,011	13,491	-	92.4
% of Total Farms in Alberta	-	-	3.0	12.2	22.9	-	-
Value of Farm Capital (in Current Dollars)							
Total Capital (\$'000)	13,861,646	36,827,140	28,623,414	30,806,123	40,150,414	100.0	30.3
Land and Buildings (8)	10,627,528	29,961,159	20,773,519	21,291,475	28,733,732	71.6	35.0
Farm Machinery and Equipment (9)	2,110,053	4,362,215	5,382,302	6,079,438	7,466,999	18.6	22.8
Livestock and Poultry	1,124,064	2,503,766	2,467,592	3,435,210	3,949,683	9.8	15.0
Average Per Reporting Farm (\$)	226,757	634,338	495,412	538,145	680,435	-	26.4
Gross Farm Receipts (in Current Dollars) (10)							
Total Receipts (\$'000)	-	3,264,822	4,473,871	5,541,937	7,911,131	-	42.8
Average Per Reporting Farm (\$)	-	56,236	77,433	96,811	134,071	-	38.5
Farms by Class of Gross Farm Receipts (no.)							
Under \$25,000	42,438	29,807	26,022	23,026	23,361	39.6	1.5
Under \$2,500	9,135	6,892	6,034	3,802	4,381	7.4	15.2
\$2,500 - \$4,999	7,522	4,525	4,047	3,159	3,218	5.5	1.9
\$5,000 - \$9,999	9,909	6,387	5,697	4,810	5,296	9.0	10.1
\$10,000 - \$24,999	15,872	12,003	10,244	11,255	10,466	17.7	-7.0
\$25,000 to \$49,999	10,247	11,049	9,842	9,950	9,057	15.3	-9.0
\$50,000 - \$99,999	5,745	9,873	10,549	10,681	9,689	16.4	-9.3
Over \$100,000	2,700	7,327	11,364	13,588	16,900	28.6	24.4
\$100,000 - \$249,999	2,700	5,630	8,550	9,744	11,126	18.9	14.2
\$250,000 - \$499,999	-	1,142	1,889	2,556	3,811	6.5	49.1
\$500,000 and Over	-	555	925	1,288	1,963	3.3	52.4
Total No. of Farms Classified	61,130	58,056	57,777	57,245	59,007	100.0	3.1
Farm Operating Expenses (in Current Dollars) (11)							
Total Expenses (\$'000)	-	-	3,943,193	4,653,484	6,669,475	-	43.3
Average Per Reporting Farm (\$)	-	-	68,248	81,291	113,029	-	39.0
Selected Average Farm Operating Expenses Per Reporting Farm (\$)							
Rent or Leasing Expenses	-	6,716	7,309	7,587	9,837	-	29.7
Wages and Salaries	-	6,897	10,207	13,513	17,037	-	26.1
Fuel, Oil and Lubricants for Machinery	-	3,725	5,827	5,339	5,797	-	8.6
Fertilizer and Lime	-	6,318	8,949	8,410	13,825	-	64.4
Herbicides, Insecticides and Fungicides	-	2,149	4,294	5,180	7,801	-	50.6
Feed and Supplements	-	9,598	15,217	14,656	22,830	-	55.8
Custom Work, Contract Work and Machine Rental or Leasing	-	2,669	3,350	4,703	7,564	-	60.8
Net Farm Income (12) (in Current Dollars)							
Total Net Farm Income (\$'000)	-	-	668,340	1,058,411	1,455,472	-	37.5
Average Per Reporting Farm (\$)	-	-	11,568	18,489	24,666	-	33.4
Paid Agricultural Labour (13)							
No. of Farms Reporting	16,376	17,950	24,978	22,483	23,890	-	6.3
Weeks of Paid Labour	556,216	559,110	867,535	784,665	1,008,064	-	28.5
Average Weeks Paid Per Reporting Farm	34	31	35	35	42	-	20.0
Purchases of Capital Assets and Capital Improvements (14)							
Value of Total Purchases (\$'000)	-	-	-	-	1,530,164	-	-
Average Per Reporting Farm (\$)	-	-	-	-	51,677	-	-

Source: Statistics Canada, Census of Agriculture

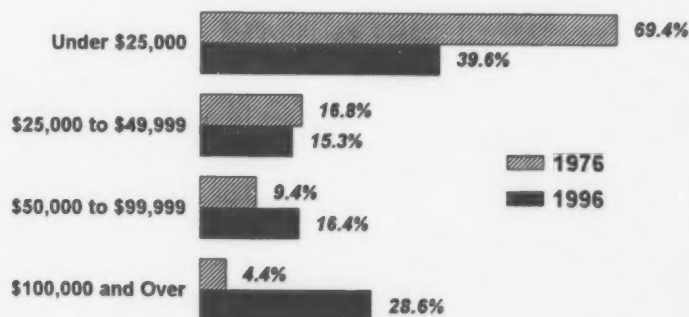
See footnotes at end of tables.

Fig. 43 Distribution of Alberta Farms by Size, 1976 and 1996



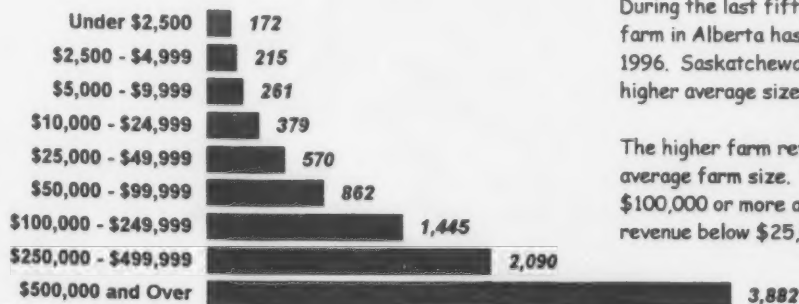
In 1996, the majority (63%) of Alberta's farms were in the 130 to 1,119 acre size class. This was down from about 72% twenty years ago. While the proportion of this group decreased, the smaller and larger size groups posted increases. The proportion of farms under 129 acres grew to about 16% and "large" farms of 1,120 acres or more increased to 21%.

Fig. 44 Distribution of Alberta Farms by Class of Gross Receipts, 1976 and 1996



Between 1976 and 1996, shifts in the distribution of farm gross receipts were most significant in the lower and higher class groups. The percentage of farms receiving less than \$25,000 fell sharply from 69% to about 40% in 1996. In contrast, the number of "large" farms with sales of \$100,000 or more grew from 4% to nearly 29%.

Fig. 45 Alberta Average Farm Size (Acres) by Class of Gross Receipts, 1996



During the last fifty years, the average size of a farm in Alberta has doubled to reach 881 acres in 1996. Saskatchewan is the only province with a higher average size (1,152 acres).

The higher farm revenue generated, the larger the average farm size. "Large" farms with revenue of \$100,000 or more averaged 1,873 acres. Farms with revenue below \$25,000 averaged 291 acres.

Footnotes - Census of Agriculture

- (1) The definition of a census farm has changed between census years. In 1976, a census farm referred to a farm, ranch or agricultural holding of one acre or more with \$50 or more of sales in agricultural products during the twelve-month period prior to the census date. For 1981 and 1986, the minimum sales requirement of agricultural products was increased to \$250 or more. In 1991 and 1996, the minimum sales requirement was eliminated.
- (2) A farm is classified according to the predominant commodity produced. This is done by estimating the potential gross farm receipts from the inventories of crops and livestock reported on the census questionnaire. The commodity or group of commodities which account for 51 per cent or more of the total gross farm receipts determines the farm type. Farm type classification only includes farms with gross farm receipts of \$2,500 or more.
- (3) In 1981, the area of unimproved land was under-reported in the four Western provinces, thereby affecting the "Total Area of Farms".
- (4) In 1996, the name and definition of tame or seeded pasture has changed from the previous census. In 1991, it was called "Improved Land for Pasture or Grazing." Consequently, some respondents may have reported differently in 1996 than in 1991, thereby affecting the comparability of the data for those years.
- (5) Since 1976, the area of "All Other Land" is the sum of the areas reported for all of the remaining land use categories in each census. In 1996, the area of Christmas trees has been included with "All Other Land".

In 1996, some operators reported unplanted land intended for crops as idle land (a component of "All Other Land") since at the time of the Census, they were uncertain as to whether this land would be planted. This situation only affected farms not included in the Progress of Seeding Follow-up.
- (6) The data for land management practices are reported for the year preceding the census year. Operators can apply insecticides and fungicides to the same land. Therefore, the sum of the responses to the two questions in 1996 is not comparable to the response to the single 1991 question which asked for the total area on which insecticides or fungicides were used.

In 1996, the area of land that has been treated with herbicides, insecticides and fungicides is under-reported. Some respondents reported chemical expenses, but did not report any corresponding areas to which these chemicals were applied. Telephone follow-up with a sample of these respondents confirmed that some respondents had mistakenly reported for 1996 instead of 1995, as requested. This explained their response because at the time the questionnaire was completed in 1996 (on May 14th), the chemicals purchased had not yet been applied.
- (7) Since individual or family holdings were being over-reported in previous censuses, the order and wording of the questions on operating arrangements were changed in 1996. While previous censuses asked if the operation was an "individual or family holding", the 1996 Census replaced this question with one asking if the operation was a "sole proprietorship". The changes introduced in 1996 contributed to an increase in the number of operations that were reported as being legally incorporated compared with previous censuses.
- (8) In 1991 and 1996, there were two separate questions on the value of land and buildings - one on rented properties and one on owned properties. Consequently, the total reported value of land and buildings in 1991 and 1996 increased compared with earlier censuses, where some respondents had failed to include rented land.
- (9) In 1991, agricultural operators reported the value of farm machinery and equipment located on their operations on Census Day, regardless of ownership. For the 1996 Census, operators were asked to report the present market value of all farm machinery and equipment that they owned or leased on Census Day. This change in reporting limits the comparability of these data.
- (10) Refers to gross farm receipts of the operation in the preceding calendar year or for the last complete accounting (fiscal) year.
- (11) Refers to gross farm operating expenses of the operation in the preceding calendar year or for the last complete accounting (fiscal) year.
- (12) Net farm income is equivalent to gross farm receipts minus farm operating expenses (less cash wages paid to family members).

- (13) The data for paid labour are reported for the year preceding the census year.
- (14) New variable for 1996 census year. Refers to major renovations to farm buildings, purchase of new or used vehicles, machinery or equipment, major land improvements or purchase of other capital assets such as land or quota in 1995. Excludes expenditures made on the home, repair and maintenance expenditures and Goods and Service Tax (GST). There has been some under-reporting of the amount paid for: new cars and other passenger vehicles used in the farm business; new farm trucks; new farm machinery and equipment; and used farm vehicles, machinery and equipment. This is primarily the result of respondents reporting the net value of a purchase (i.e., the amount paid minus any trade-in value) instead of the total amount paid.
- (15) In 1991 and 1996, the data reported are for total oats, since the questionnaire made no distinction between the oats for grain and the oats for fodder components of total oats.
- (16) In 1981, the data reported pertain to barley for grain only.
- (17) In 1991 and 1996, the questionnaire made no distinction between oats for grain and oats for fodder.
"Other Fodder Crops" are included in the 1986 and 1996 data for "Total Tame Hay".
- (18) The earlier census date in 1996 (May 14th) affects comparability with previous censuses due to the lower percentage of calvings that would have taken place by May 14th compared with the first week of June, when previous censuses were taken.
- (19) In 1976, the number of beef cows was obtained by subtracting "cows milking or to be milked" from "total cows". The result was an understating of the size of the dairy herd and an overstating of the size of the beef herd, because dairy farmers did not always report "dry dairy cows" under "cows milking or to be milked". Since 1981, when a separate question on the number of beef cows was introduced, the reporting of both dairy and beef cows has improved.

1996 Census of Agriculture Definitions

Average Net Farm Income

Refers to gross farm receipts minus farm operating expenses (less cash wages paid to family members).

Census Division

A general term applied to geographic areas between census subdivisions (e.g. municipal districts, counties, etc.) and the province. In Alberta, provincial law does not provide for administrative areas. Census divisions have been created in co-operation with Statistics Canada and the province. There are currently 19 census divisions in Alberta.

Farm

Refers to a census farm, ranch or other agricultural holding which produces at least one of the following products intended for sale: crops, livestock, poultry, animal products, greenhouse or nursery products, mushrooms, sod or honey. In 1986, a census farm was defined as a holding with sales of agricultural products of \$250 or more. In 1991 and 1996, there was no minimum sales requirement.

Headquarters Rule

Many agricultural operations in Alberta are composed of numerous parcels of land in a number of locations. These different locations are often situated in several geographic areas (such as townships or counties). In these situations, the "headquarters rule" assigns all data collected for the agricultural operation to the geographic area where the farm headquarters is located.

Farm Capital

Farm capital refers to the value of all farm land, buildings, farm machinery and equipment (including passenger vehicles used in the farm business), livestock and poultry. The values for land and buildings as well as machinery and equipment were reported by respondents on May 14, 1996. In the previous census conducted in 1991, the reporting date was June 4, 1991. Farm capital does not include the value of crops in the field or in storage, or farm inputs on hand, such as fertilizer and seed.

Values for livestock and poultry inventories reported in the census were calculated using data on average farm prices for the various types of livestock and poultry. Farm capital does not include the value of crops in the field or in storage, or farm inputs on hand, such as fertilizer and seed.

Farm Operating Expenses

Refers to gross farm business operating expenses by the holding during the 1995 calendar year or for the last complete accounting (fiscal) year. Expenses exclude costs of any goods purchased only for retail sales.

Expenses are reported as gross (without deducting the GST and/or any rebates received). Combined with information on farm incomes, expenditure data provides a measure of the economic well-being of the farming sector as well as a basis for evaluating and formulating stabilization programs.

Farm Type

A farm is classified according to the predominant commodity produced. This is done by estimating the potential gross farm receipts from the inventories of crops and livestock reported on the questionnaire. The commodity or group of commodities which account for 51 per cent or more of the total potential receipts determines the farm type.

"Miscellaneous Specialty" farm type includes the following farm types: sheep and lamb; goat; horse and pony; fur; other livestock specialty; mushroom; greenhouse products; nursery products and sod; maple; and Christmas tree.

"Livestock Combination" farm type includes cattle and hog farms; cattle, hog and sheep farms; and other livestock combination farms.

"Other Combination" farm type includes other field crop combination farms; fruit and vegetable combination farms; and all other types of farms.

Field Crops (Area Reported)

Refers to the total area of the various crops seeded or to be seeded for the harvest in 1996, even if they were sown or planted in an earlier year. All field crops are reported on land that is owned, sharecropped, rented or leased from others.

Gross Farm Receipts

Farm receipts measure the gross revenue generated by agricultural holdings. They are not a direct measure of profit since operating expenses have not been deducted. Data for receipts are reported for the previous calendar year or for the last complete accounting (fiscal) year.

Gross Receipts include:

- receipts from all agricultural products sold
- Marketing Board payments received
- program and rebate payments received
- GST refunds received
- dividends received from co-operatives
- receipts from maple syrup and Christmas trees sales
- custom work and all other farm receipts
- forest products (firewood, pulpwood, logs, fence posts, pilings and standing timber).

Gross Receipts do not include:

- receipts from the sale of capital items (e.g. land, buildings or machinery)
- receipts from the sale of goods bought only for retail sales.

NOTE: Farm receipts data from the Census of Agriculture are not directly comparable with the similarly named series derived on an annual basis by Statistics Canada (published in Catalogue No. 21-603, "Agriculture Economic Statistics"). Census data includes inter-farm transactions, i.e., the value of agricultural products (livestock and poultry, seed and seedlings and feed) sold from one farm to another within the same province. The annual series excludes inter-farm sales.

Hired Paid Labour

Work done on the farm during the previous calendar year by persons 15 years of age and over either on a year-round basis or seasonal or temporary. Work excludes housework, custom work and non-agricultural work. Agricultural and manpower researchers use data on hired labour to estimate and evaluate labour requirements and for planning training programs.

Interest Expenses

Refers to interest on operating debt and on all other debts (e.g., machinery or mortgage debt) for the previous calendar year or for the last complete accounting (fiscal) year. Interest expenses do not include payment of principal or amount of debt outstanding. Interest expenses as a percent of total expenses is used as a proxy for debt since actual debt levels are not reported in the census.

Land Use in 1996

■ **Total Land in Crops** includes all areas reported for field crops, fruits, vegetables, nursery products and sod.

■ **Summerfallow** includes idle land that has not been worked or sprayed for more than one year.

■ **Tame or Seeded Pasture** (referred to as Improved Land for Pasture or Grazing in 1991) refers to land that has been cultivated and seeded, or drained, irrigated, fertilized or controlled for brush or weeds; does not include areas to be harvested for hay, silage or seed.

■ **Natural Land for Pasture** (referred to as unimproved land for pasture or grazing in 1991) refers to native pasture, native hay, rangeland, grazable bush, etc.

■ **All Other Land** includes land on which farm buildings, barnyards, lanes, home gardens, greenhouses and mushroom houses are located; idle land; woodlots; sugarbush; tree windbreaks; bogs; marshes; sloughs;

woodland; wetland; etc. All Other Land includes Christmas tree area.

Livestock Inventory

Includes all animals on the farm, regardless of ownership; and any animals owned but pastured on a community pasture, grazing co-op or public land. Livestock on farms exclude animals owned but kept on a farm, ranch or feedlot operated by someone else.

Livestock data from the census are used as the basis for annual estimates and for estimating inventories, production and future supplies of animals and animal products for domestic consumption and export. Farmers use census estimates to make production and marketing decisions while government departments, private companies and farm media use census information in market analysis and formulation of agricultural outlooks.

Purchases of Capital Assets and Improvements

Refers to purchases (without deductions of any grants or subsidies) and improvements made in 1995 or for the last complete accounting (fiscal) year. Includes any major renovations to farm buildings, purchases of new or used vehicles, machinery and equipment, any major land improvements or purchases of other capital assets such as land or quota. Includes all purchases which were jointly made with a different agricultural operation. Does not include expenditures made on the home, any repairs and maintenance expenditures and the GST.

Quota

A quota is an entitlement, or right, to sell or deliver a certain amount of an agricultural product (for example, milk, eggs or poultry) produced under supply management.

Rural Population

All persons living outside urban areas (excluding persons living on incompletely enumerated Indian Reserves). Urban areas are those which attained a population concentration of at least 1,000 and a population density of at least 400 per square kilometre, at the previous census.

NOTE ON ROUNDING

Totals in the Census of Agriculture statistical tables may not equal the sum of their parts due to the use of conversion factors or the rounding of fractions to whole numbers.



Appendix I - 1998 Alberta Net Farm Income

1	Total Farm Cash Receipts \$6,393 Million	Farm cash receipts refers to cash income received by producers from the sale of agricultural commodities as well as direct program payments made to support or subsidize the agricultural sector. Inter-farm sales within the province are excluded. However, sales to other farms in other provinces are included.
2	minus Farm Operating Expenses \$5,111 Million	Farm operating expenses (after rebates) represents business costs incurred by farm operators for goods and services used in the production of agricultural commodities. If direct rebates are paid to farmers to reduce the cost of particular inputs, the net expense estimates are used in the preparation of net income. Flows from one Alberta farm to another are excluded from estimates (calendar-year basis).
3	equals Net Cash Income (1-2) \$1,282 Million	Net cash income is the difference between farm cash receipts and operating expenses after rebates. It is a measure of net cash flow in a given year excluding payments made on capital assets. As a result of the residual method used to derive net cash income, a minor change in either farm cash receipts or operating expenses will have a significant impact on the net income level and the yearly change.
4	plus Income-In-Kind \$15 Million	Income-in-kind is the value of agricultural commodities produced on farms and consumed by individuals living on these farms.
5	minus Depreciation Charges \$945 Million	Depreciation occurs as a result of aging, wear and tear and obsolescence. It represents the value of capital which is no longer available for future use. Depreciation charges against the farm business are intended to account for economic depreciation or the loss in fair market value of capital assets. Building depreciation estimates the depreciation of farm buildings on owner-occupied farms, including the farm business share of houses. Machinery depreciation estimates the depreciation of the farm business share of automobiles, trucks and other machinery.
6	equals Realized Net Income (3+4-5) \$353 Million	Realized net income (RNI) is the residual income from farming operations after income-in-kind, all production costs and depreciation charges have been accounted for. RNI represents the after-expense earnings from farming operations available to the farmer for debt servicing, savings, investments, personal consumption and taxes.
7	plus Value of Inventory Change -\$37 Million	Value of inventory change measures the value of change in producer-owned inventories between the beginning and end of the calendar year. Value of inventory change along with farm cash receipts and income-in-kind represents gross value of agricultural production. Value may be positive or negative.
8	equals Total Net Farm Income (6+7) \$316 Million	Total net farm income is the sum of realized net farm income and the value of inventory change. It represents the return to the operators' equity, management, risk and unpaid family labour that is earned in the given year. Therefore, total net farm income represents total primary agricultural economic production.